r229337.root
r229333.root
r229328.root

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Page 4: Tracks Hits (All)
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Page 58: L1CTT TEL Trigger Turn-on (All)
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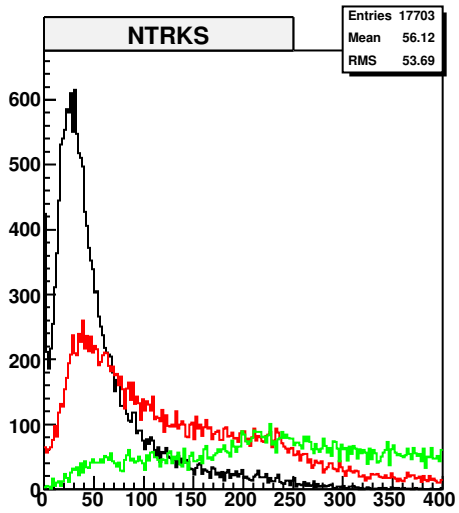
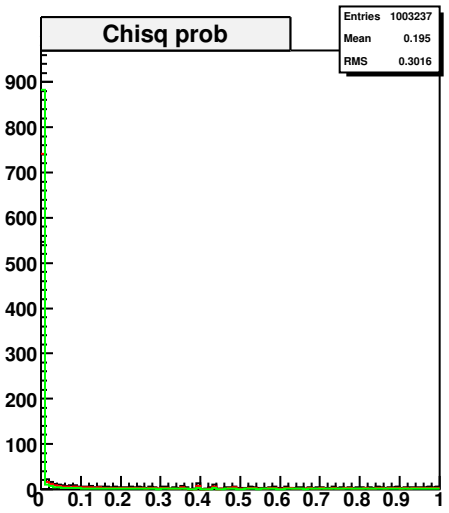
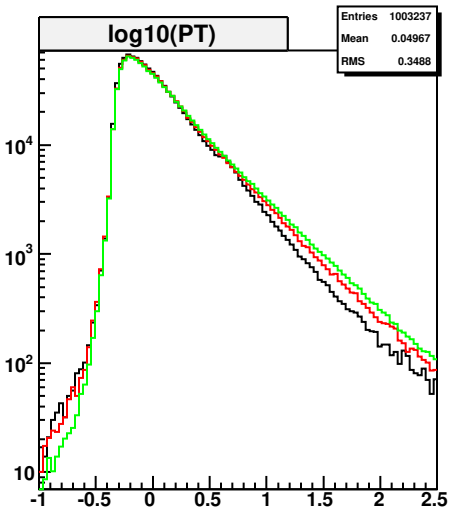
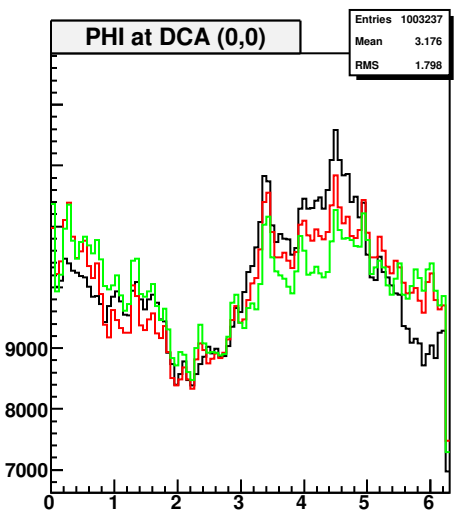
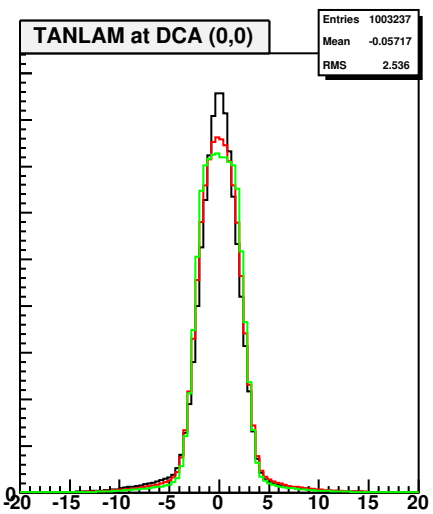
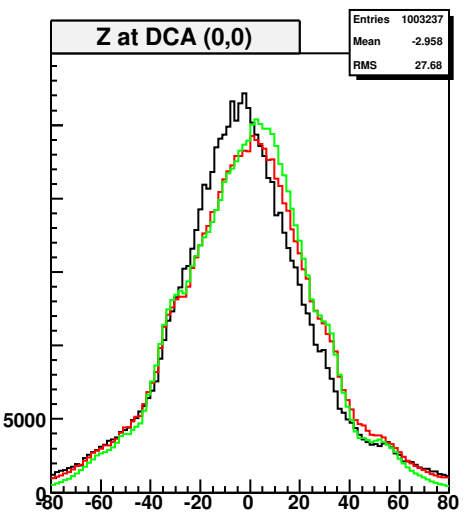

NTRKS
Entries 17703
Mean 56.12
RMS 53.69

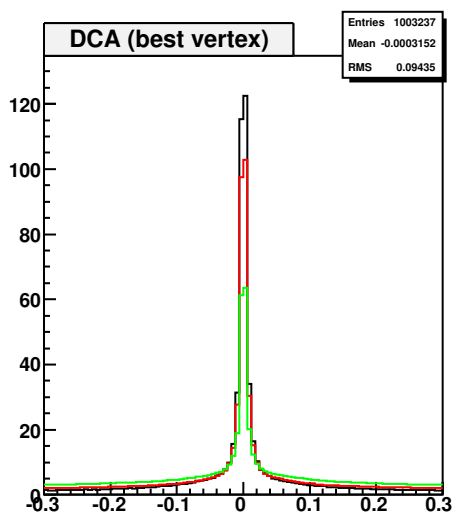

Chisq prob
Entries 1003237
Mean 0.195
RMS 0.3016

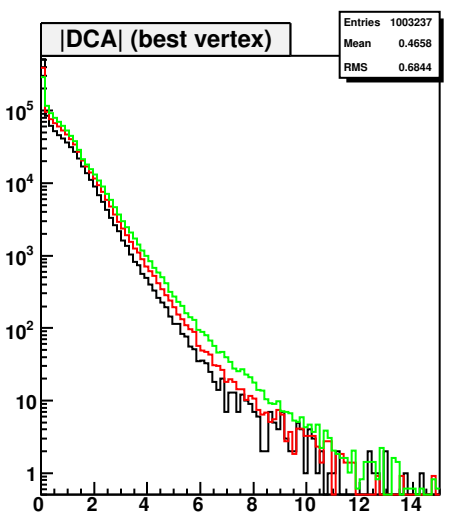

log10(PT)
Entries 1003237
Mean 0.04967
RMS 0.3488

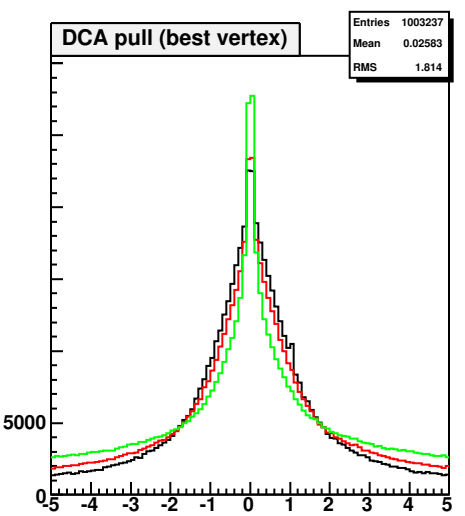

PHI at DCA (0,0)
Entries 1003237
Mean 3.176
RMS 1.798


TANLAM at DCA (0,0)
Entries 1003237
Mean -0.05717
RMS 2.536

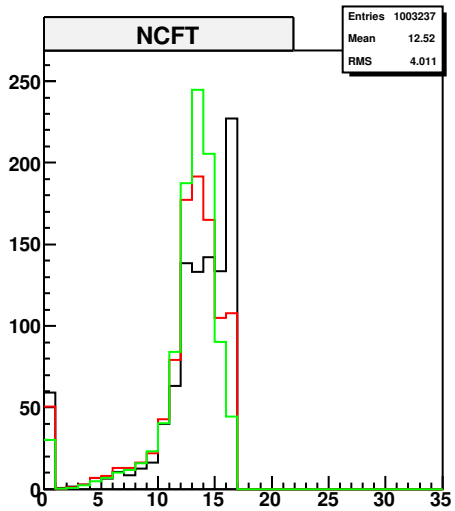

Z at DCA (0,0)
Entries 1003237
Mean -2.958
RMS 27.68

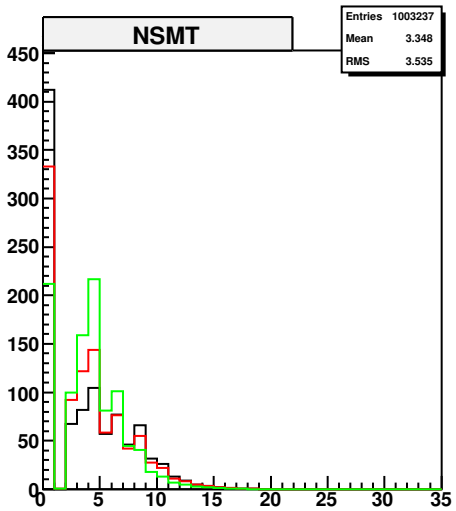

DCA (best vertex)
Entries 1003237
Mean -0.0003152
RMS 0.09435

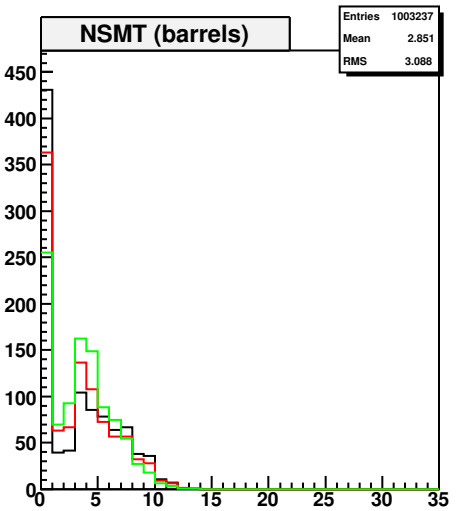

|DCA| (best vertex)
Entries 1003237
Mean 0.4658
RMS 0.6844

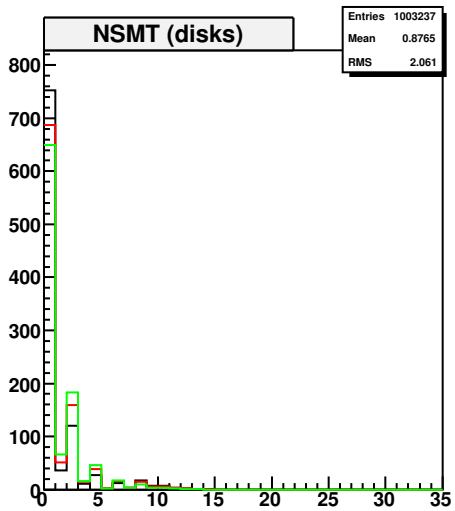

DCA pull (best vertex)
Entries 1003237
Mean 0.02583
RMS 1.814

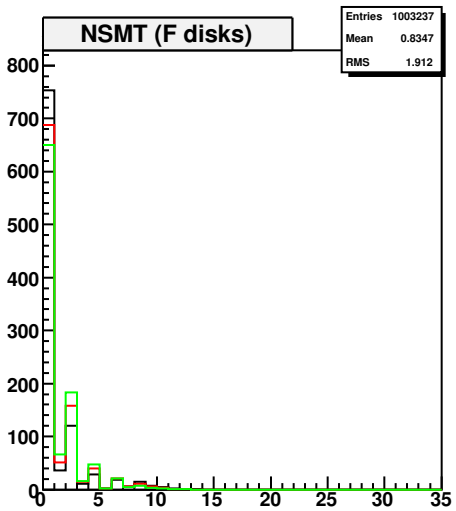
Tracks (All)

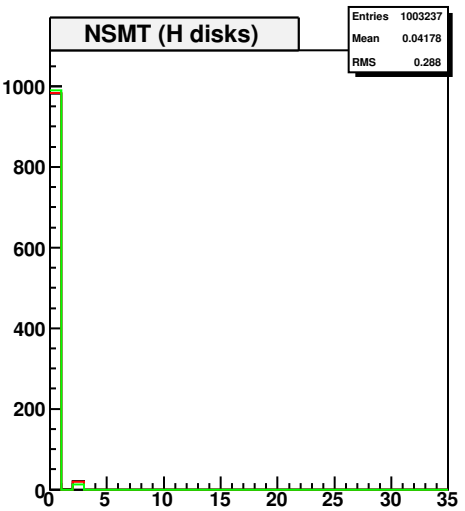


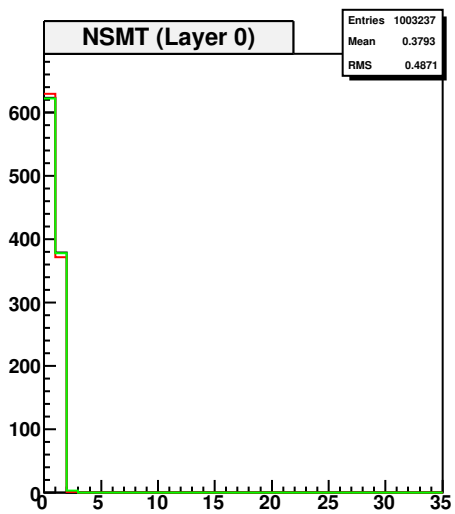




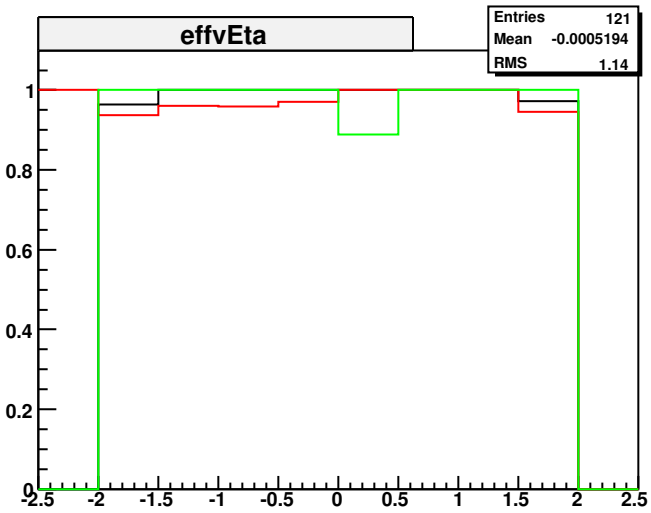


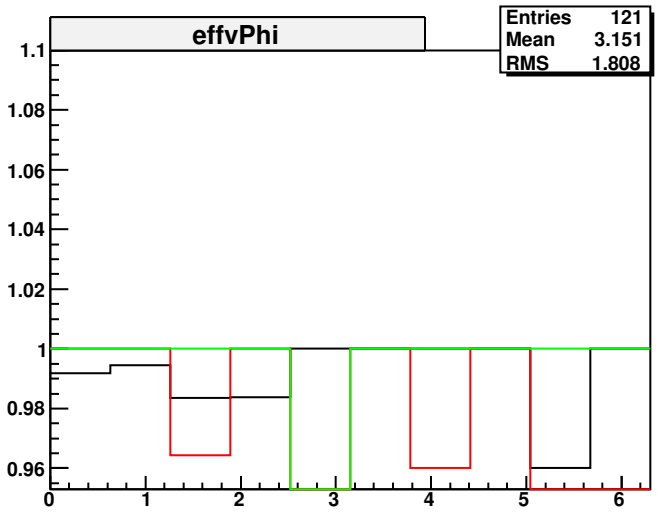


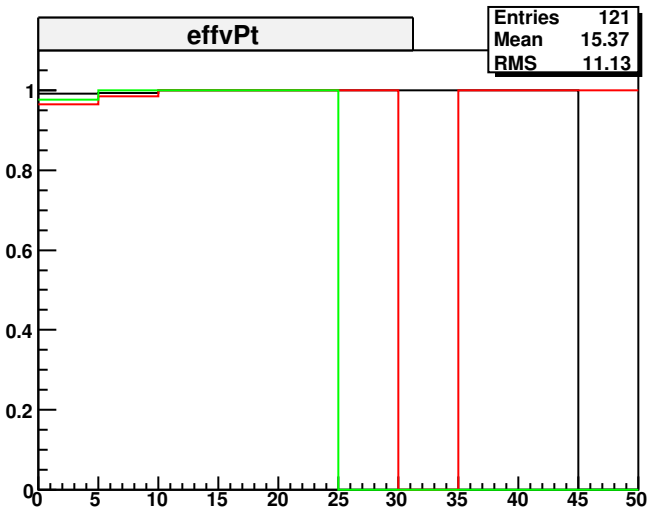


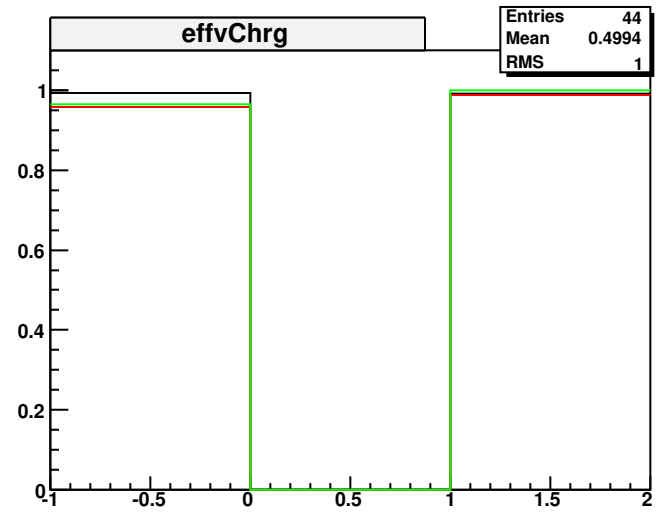


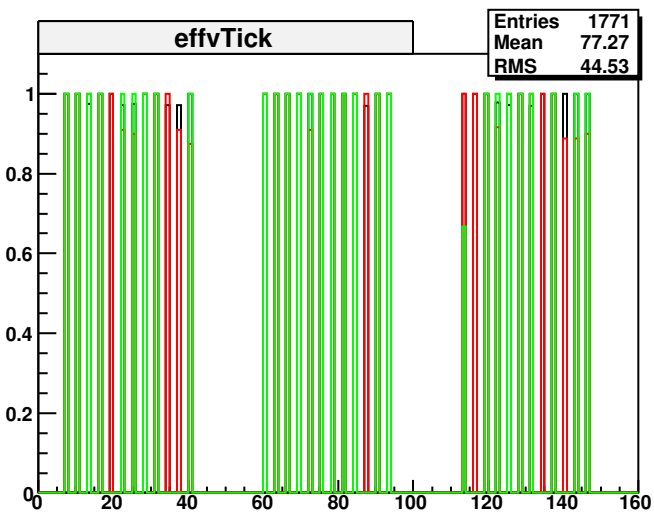
Track Hits (All)

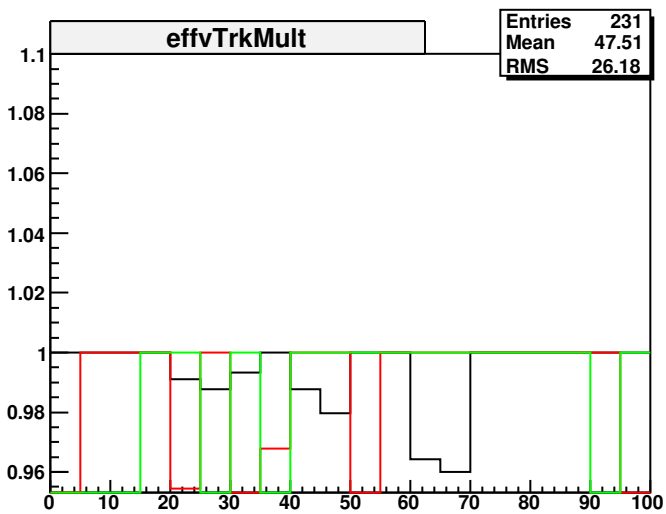




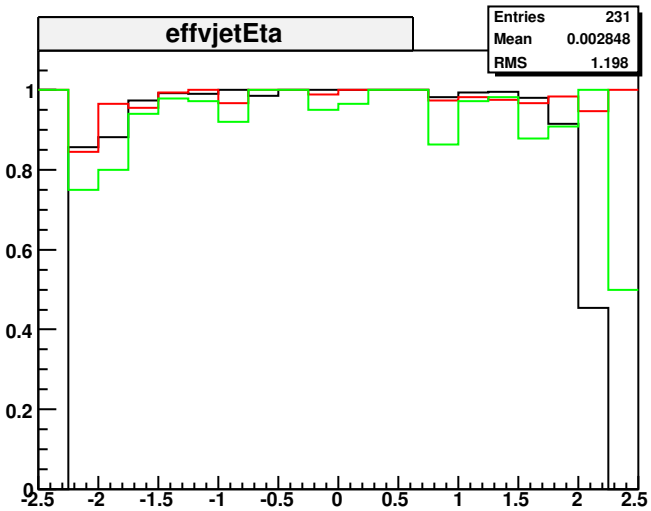


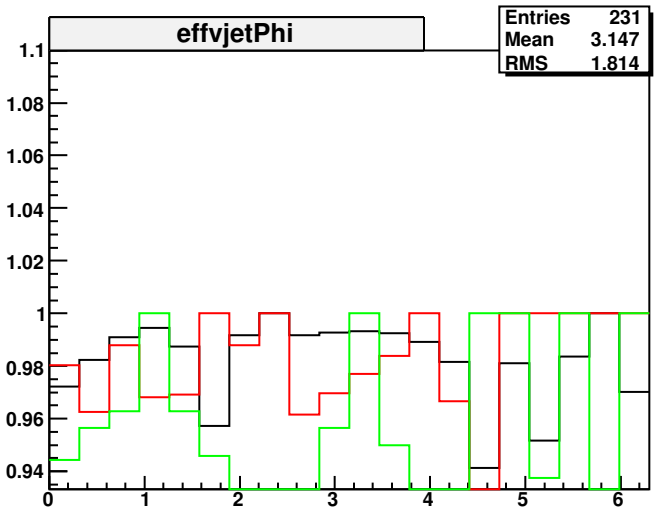


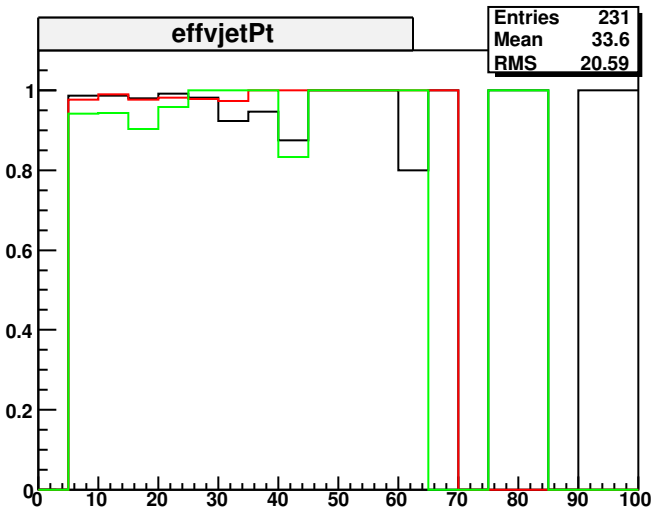




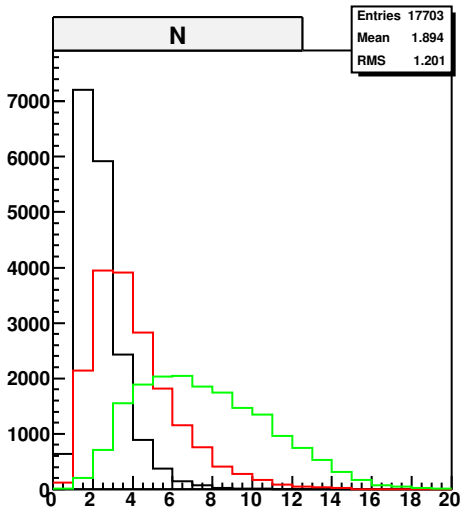
Tracking (Efficiency-Isolated)

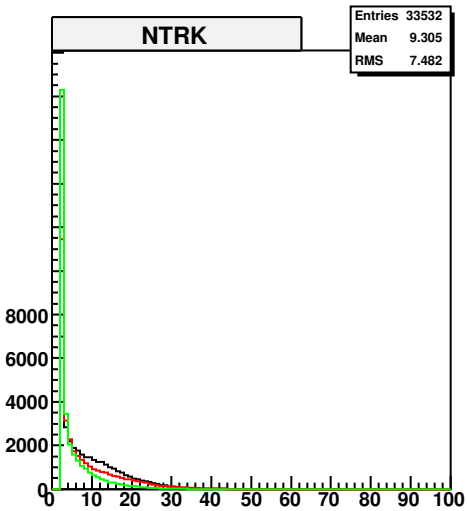


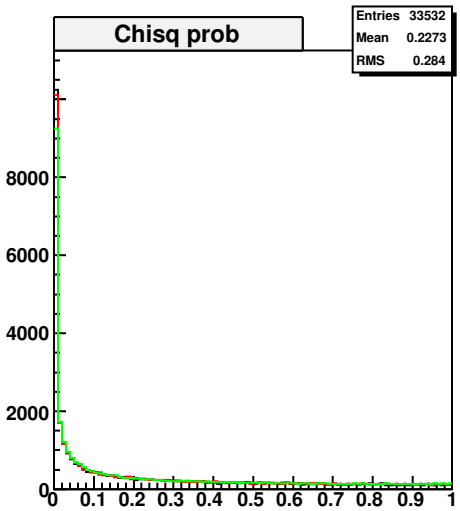


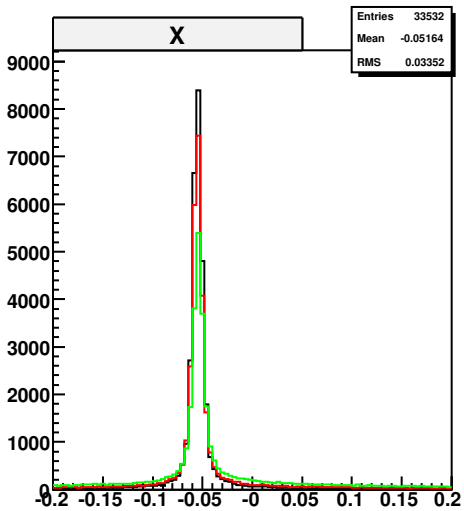


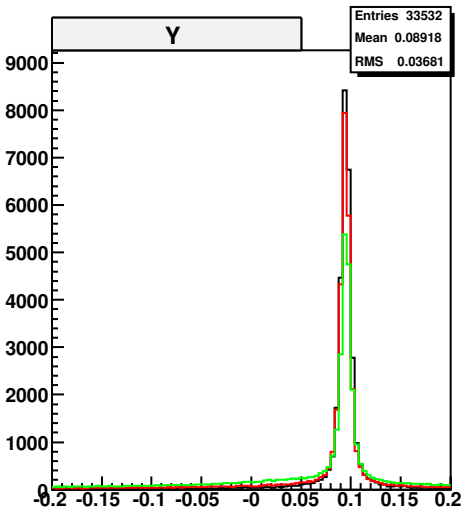
Tracking (Efficiency-InJets)

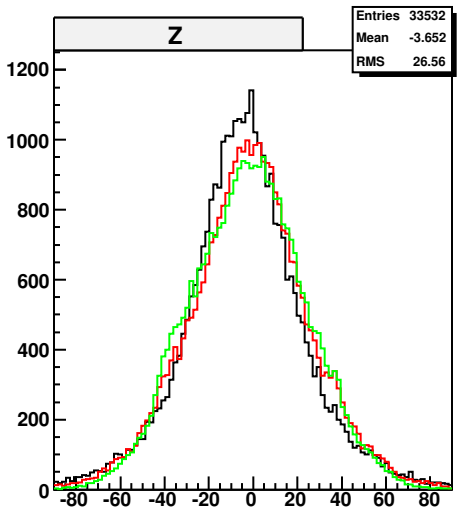




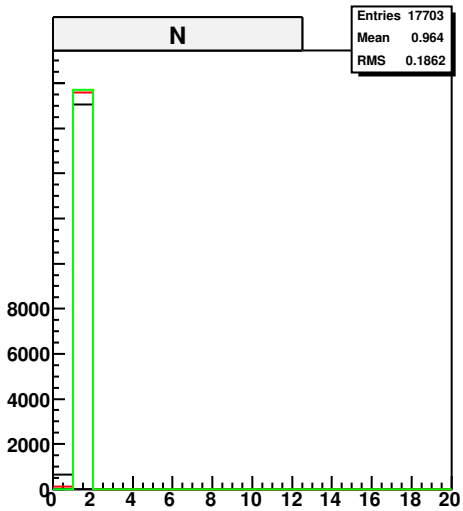


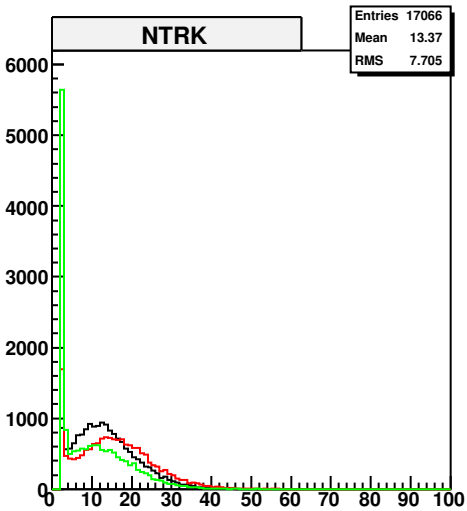


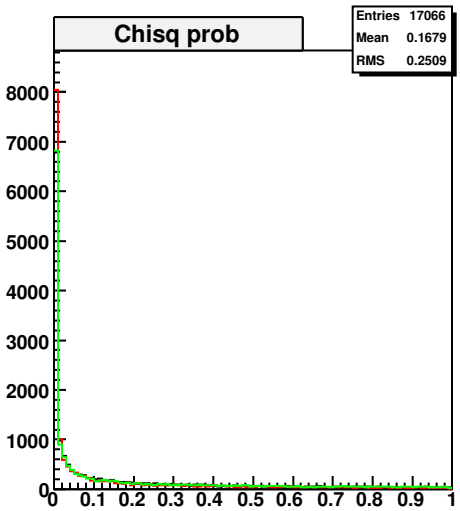


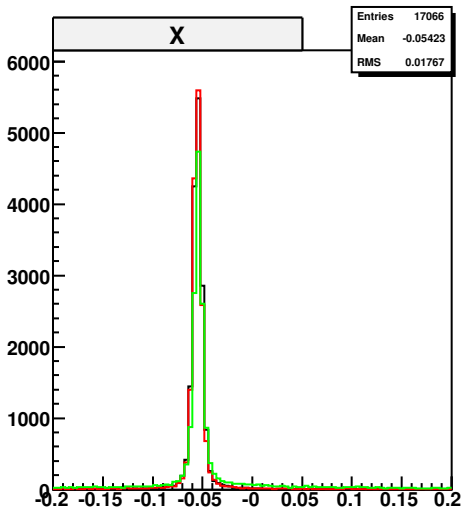


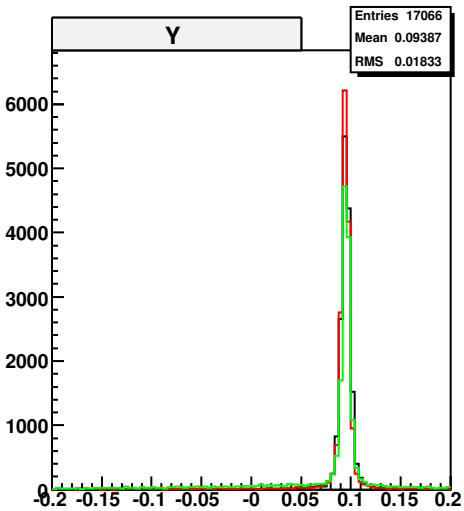
Vertices (Primary - all candidates)

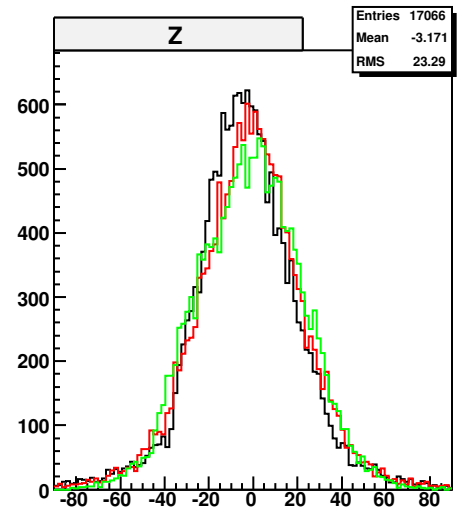




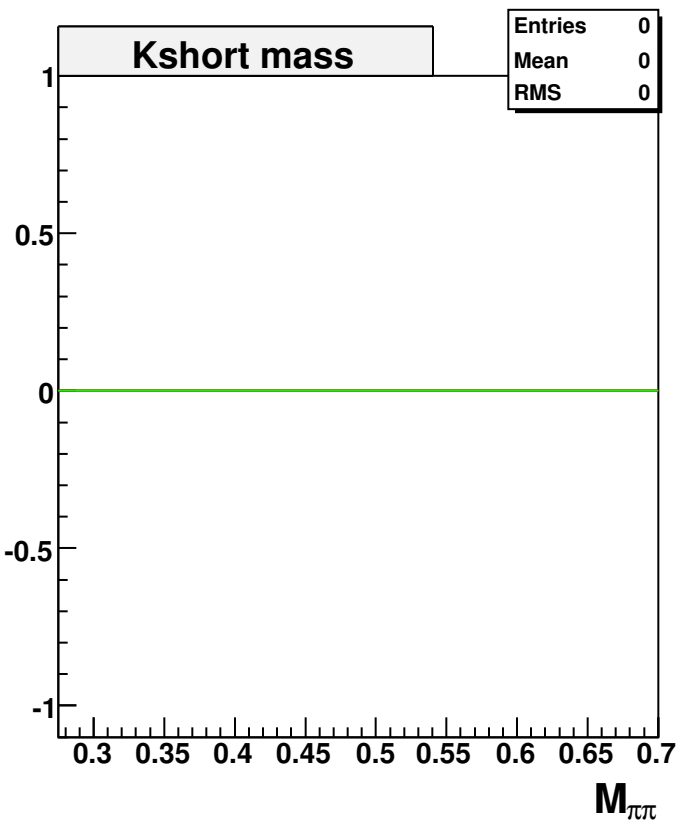


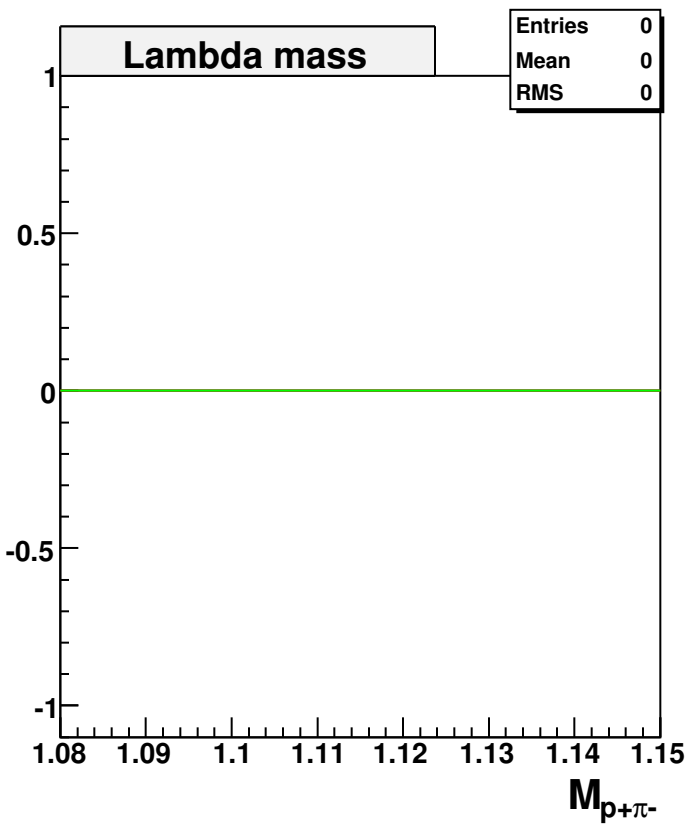


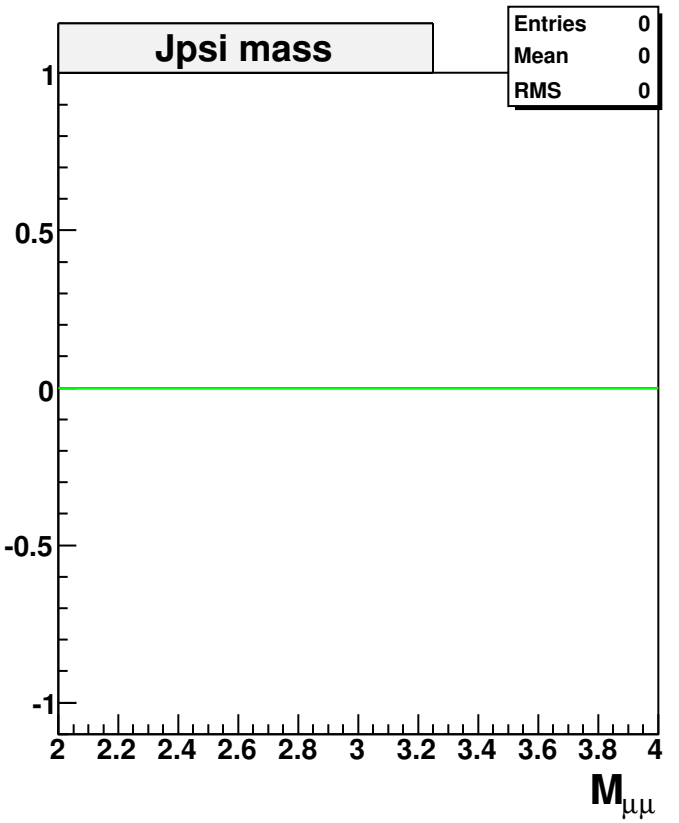


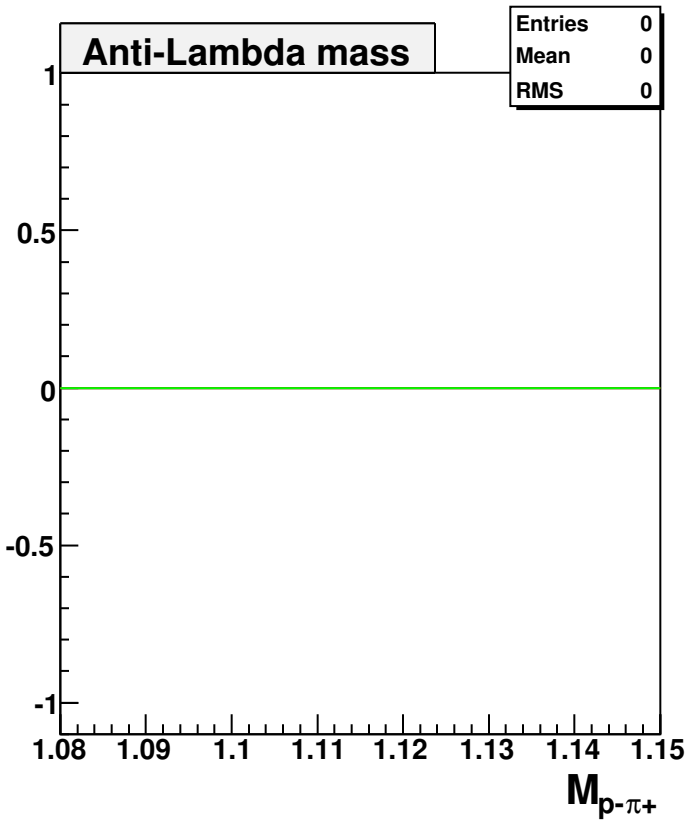


Vertices (Primary - best)

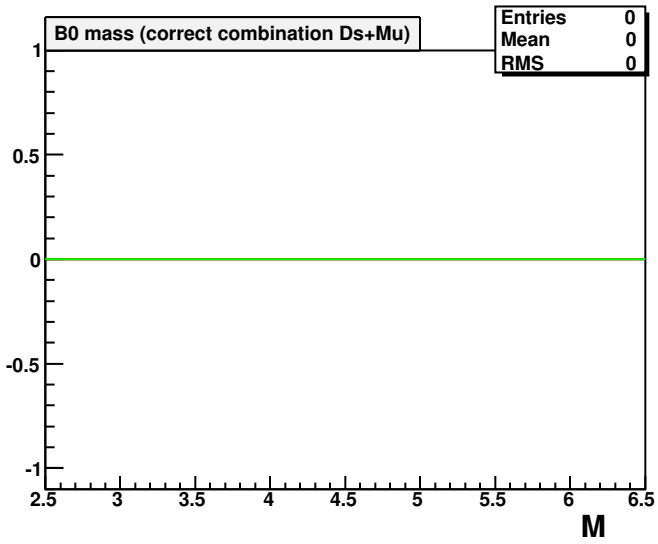

Kshort mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

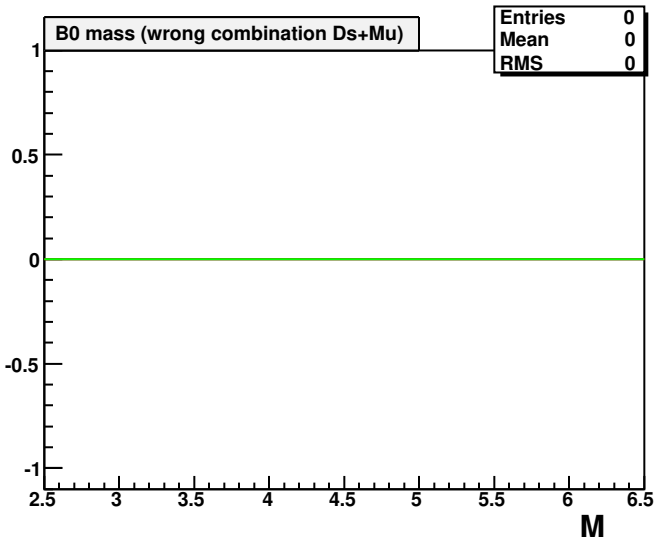

Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

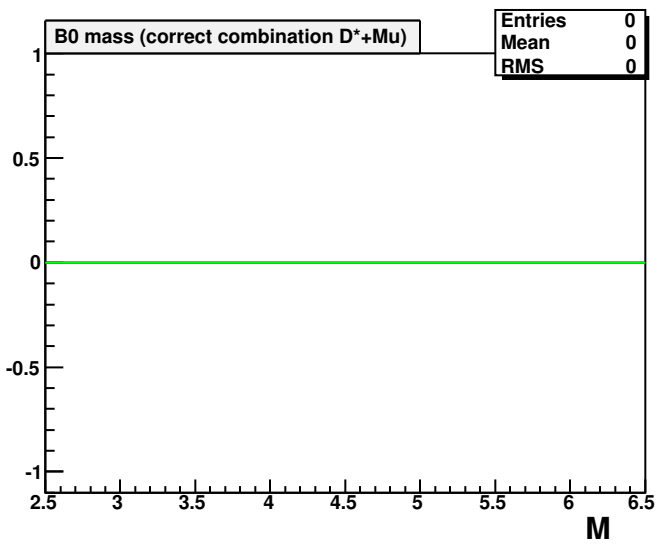

Jpsi mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

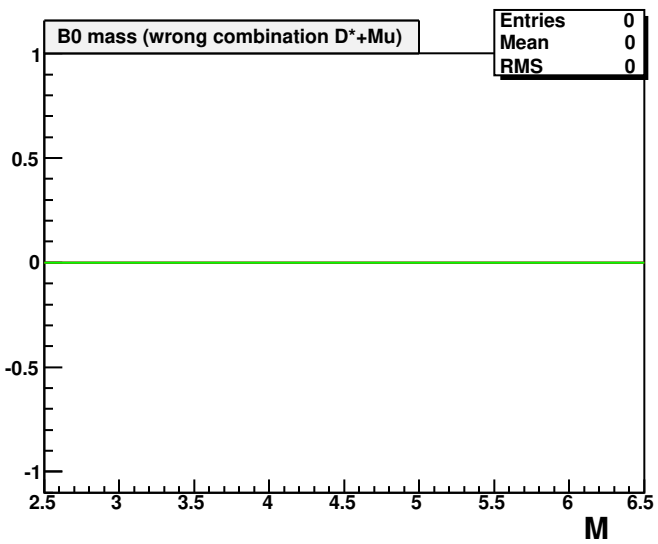

Anti-Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

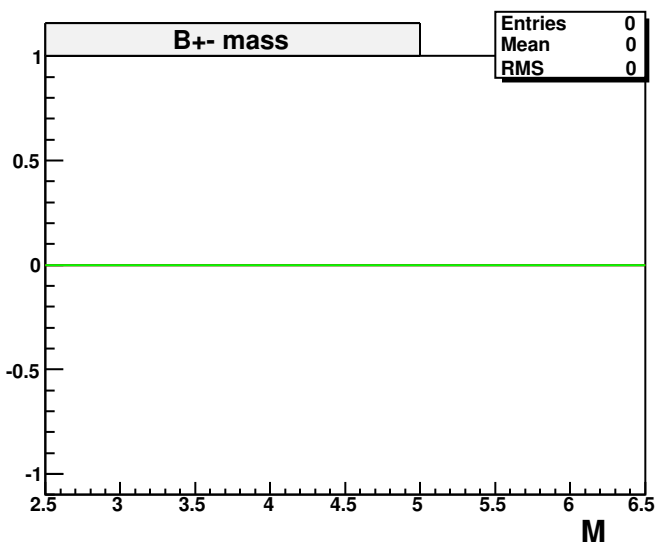
V0 (All)



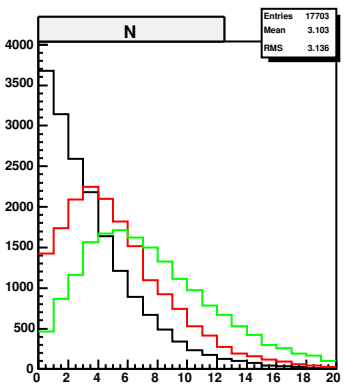


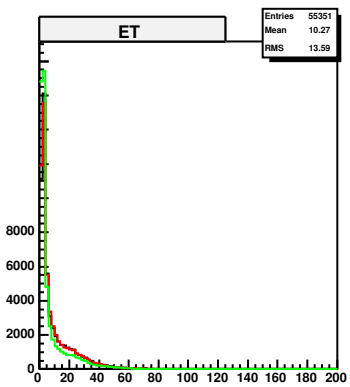


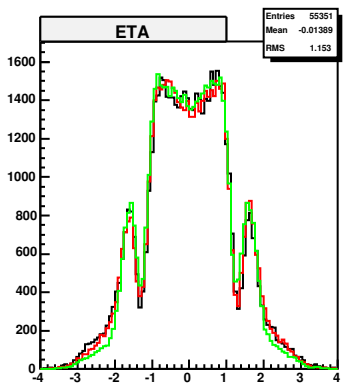


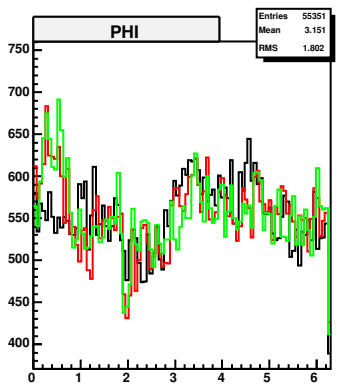


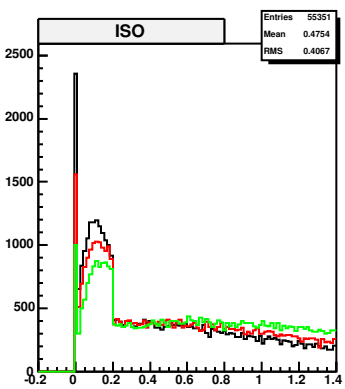
V0(B mesons) (All)

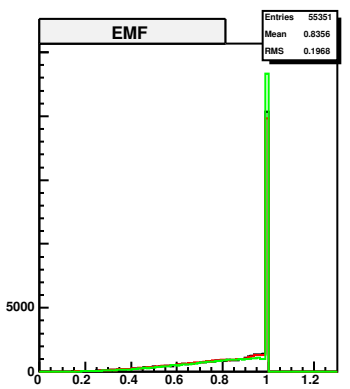


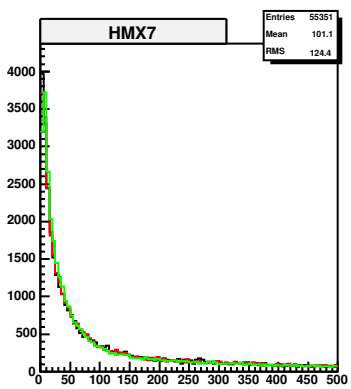


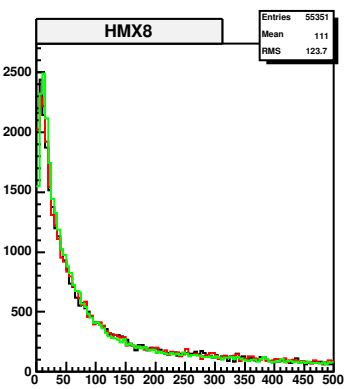


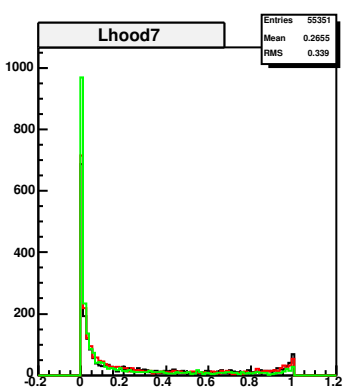


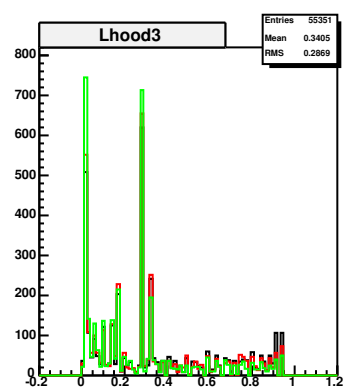


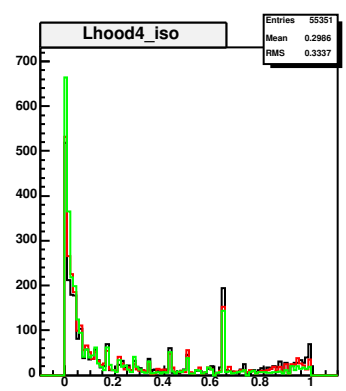


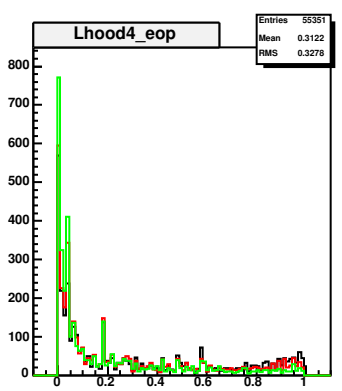


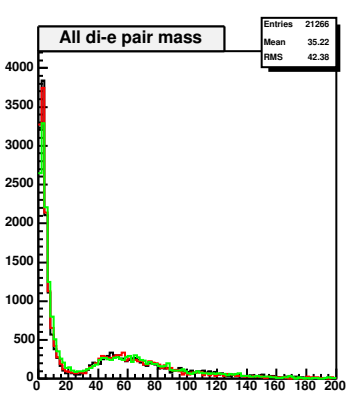


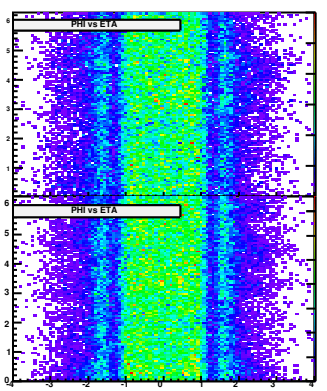


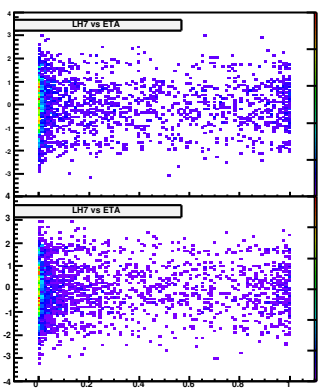


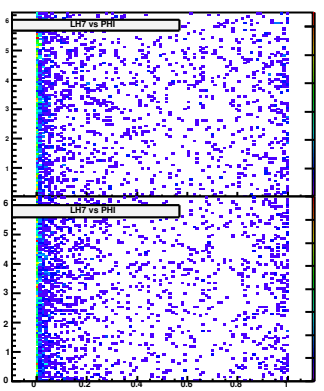




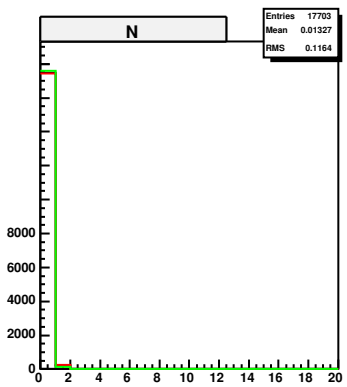


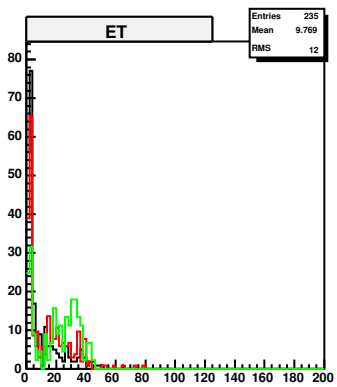


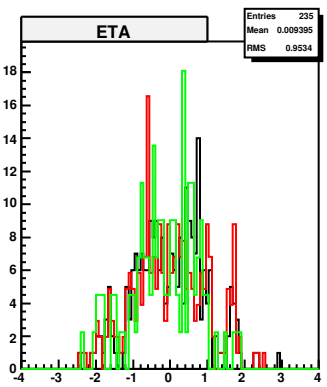


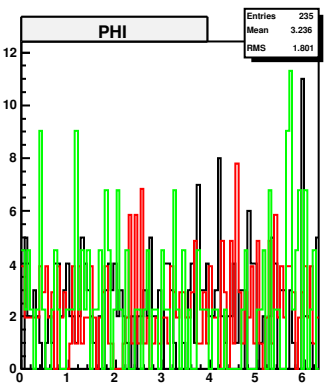


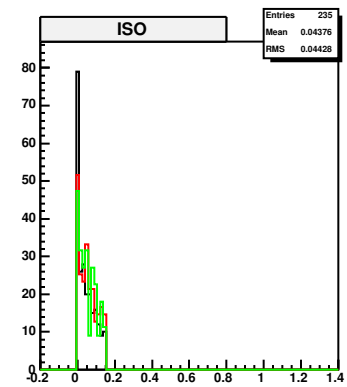
Electrons (SCONE All)

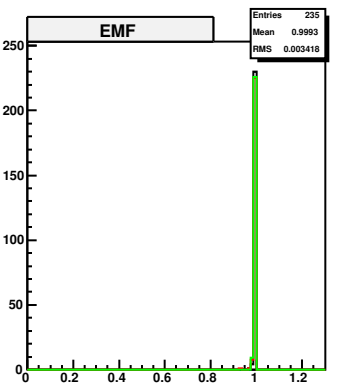


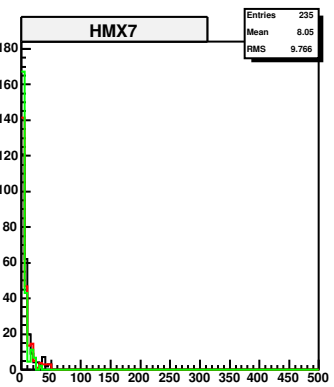


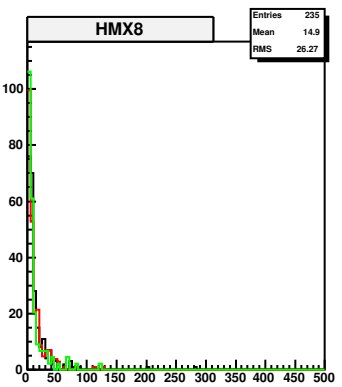


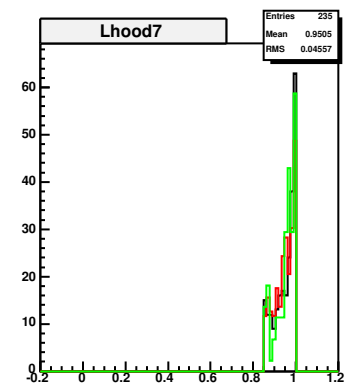


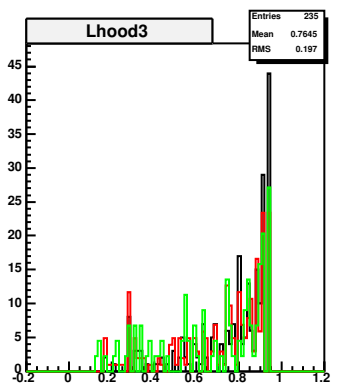


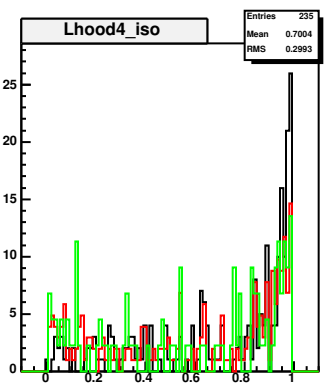


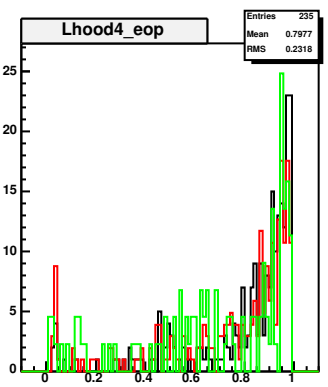


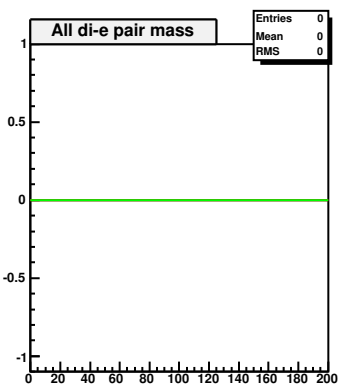


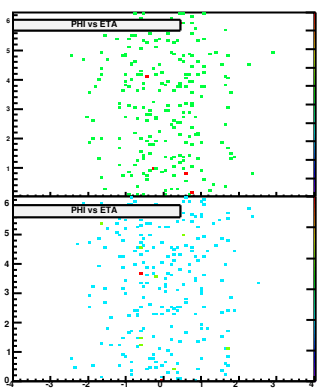


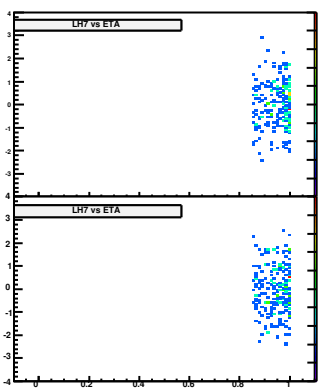


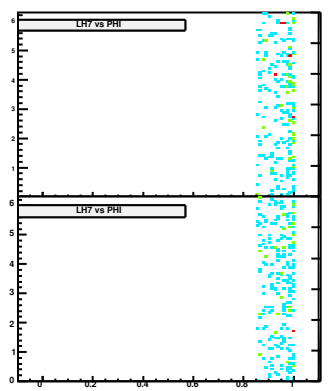




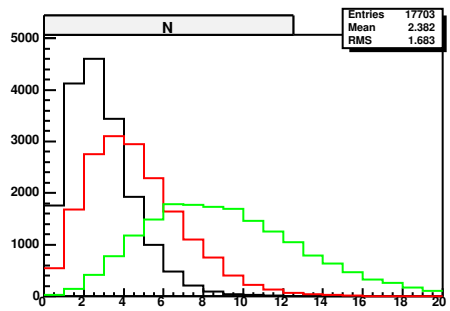


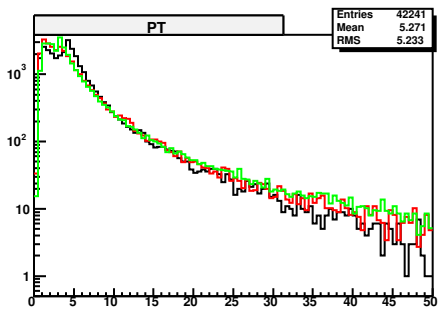


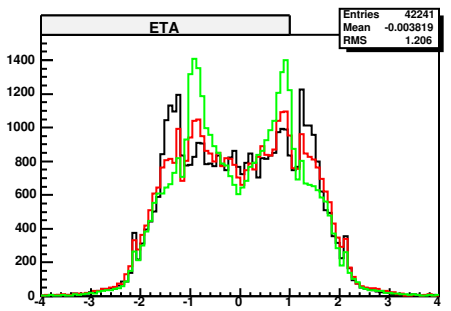


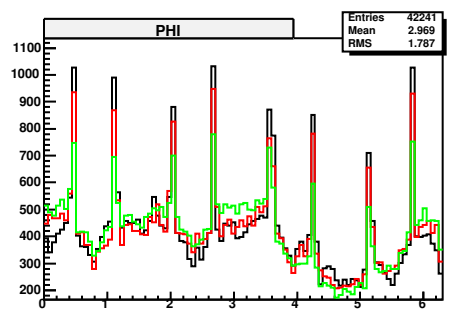


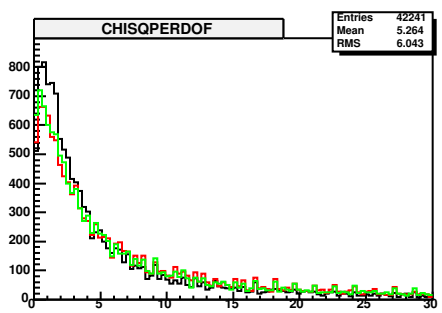
Electrons (SCONE Tight)

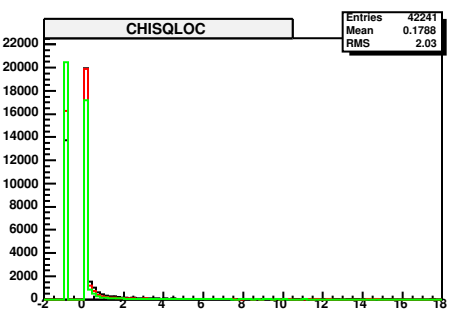

N
Entries 17703
Mean 2.382
RMS 1.683

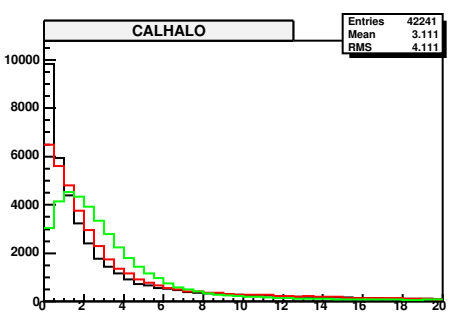

PT
Entries 42241
Mean 5.271
RMS 5.233

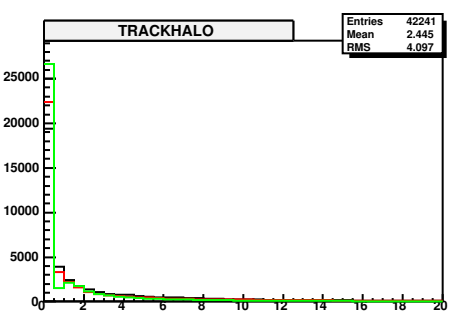

ETA
Entries 42241
Mean -0.003819
RMS 1.206

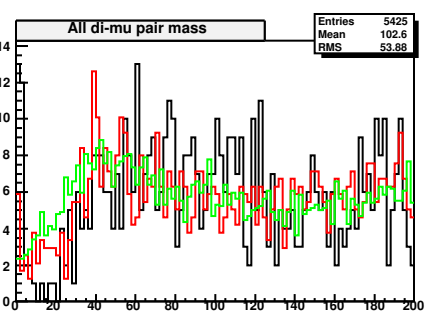

PHI
Entries 42241
Mean 2.969
RMS 1.787

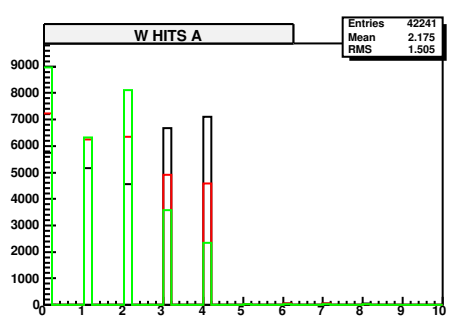

CHISQPERDOF
Entries 42241
Mean 5.264
RMS 6.043

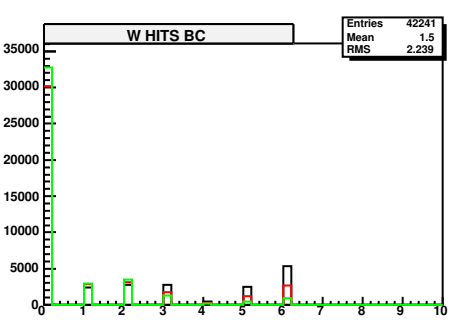

CHISQLOC
Entries 42241
Mean 0.1788
RMS 2.03

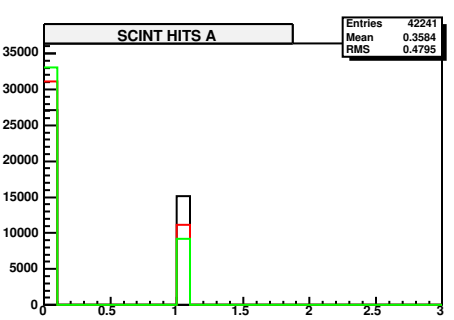

CALHALO
Entries 42241
Mean 3.111
RMS 4.111

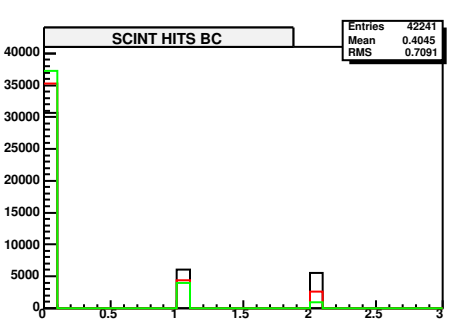

TRACKHALO
Entries 42241
Mean 2.445
RMS 4.097


All di-mu pair mass
Entries 5425
Mean 102.6
RMS 53.88

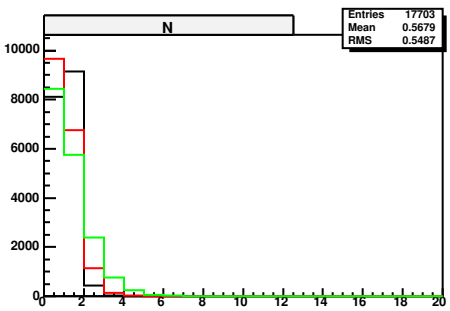

W HITS A
Entries 42241
Mean 2.175
RMS 1.505

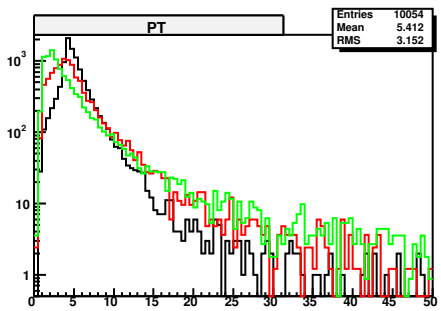

W HITS BC
Entries 42241
Mean 1.5
RMS 2.239

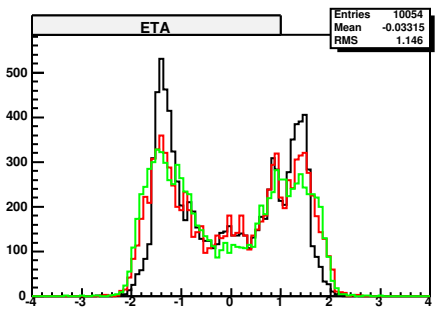

SCINT HITS A
Entries 42241
Mean 0.3584
RMS 0.4795

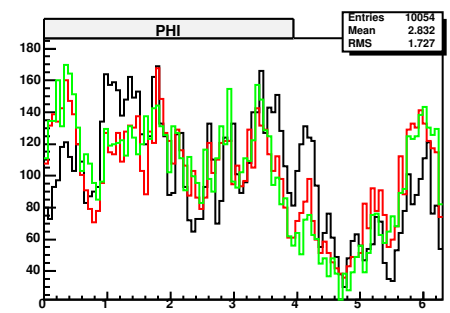

SCINT HITS BC
Entries 42241
Mean 0.4045
RMS 0.7091

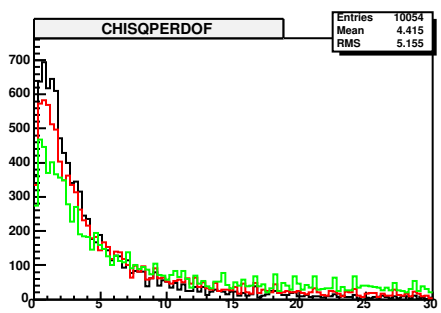
Muons (All)

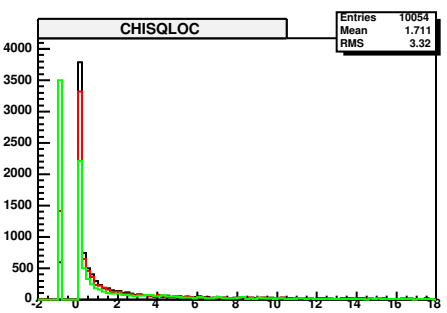


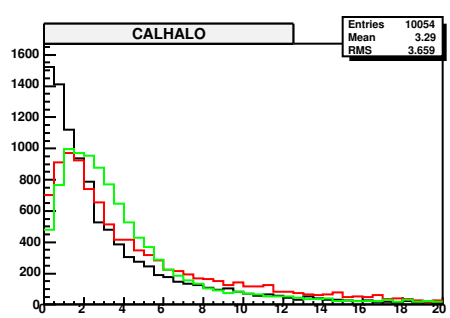


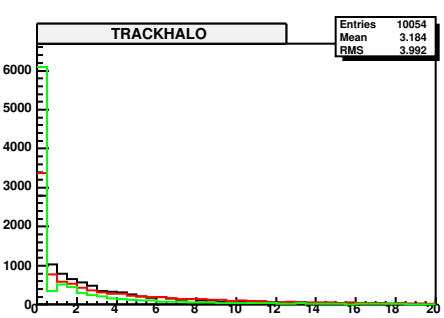


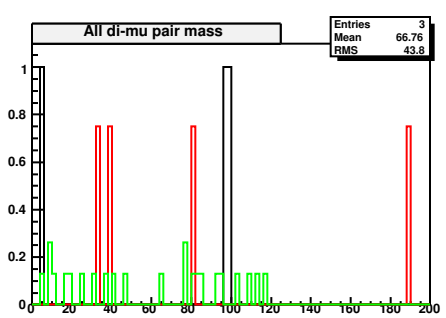


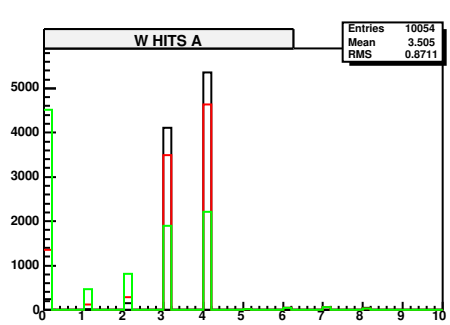


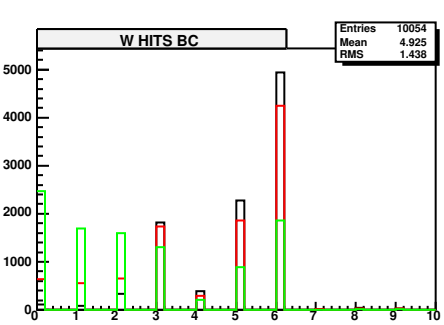


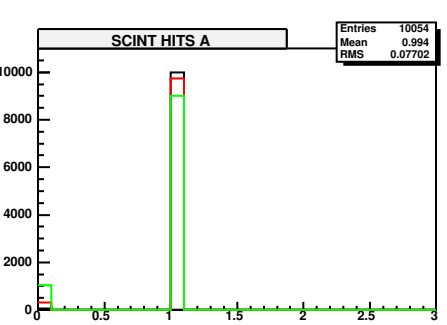


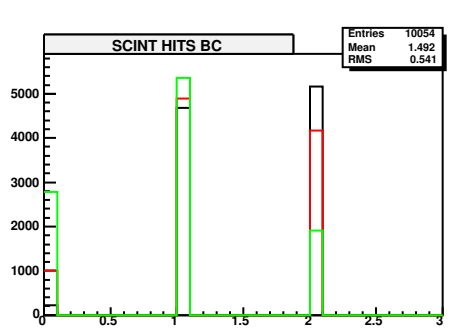




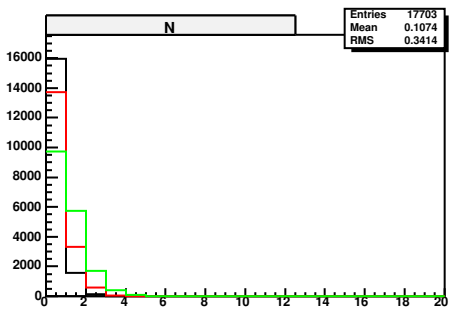


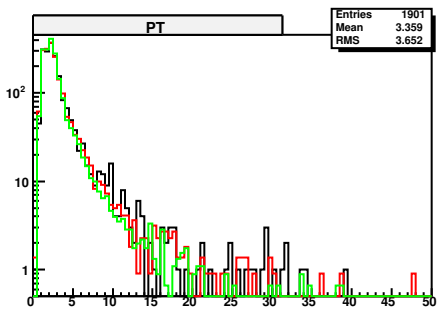


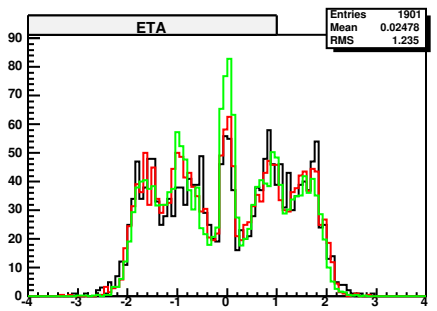


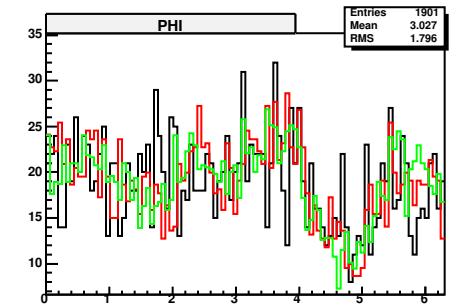


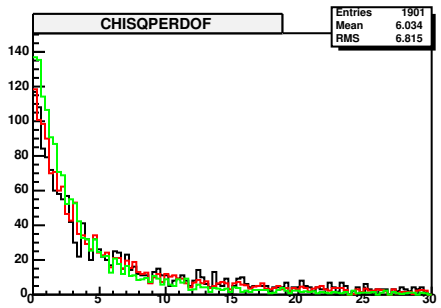
Muons (Matched)

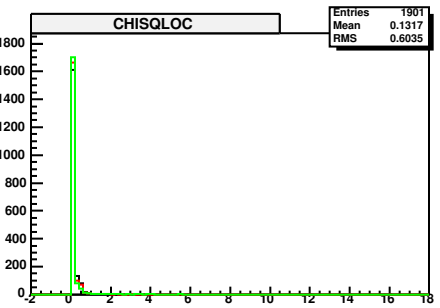

N
Entries 17703
Mean 0.1074
RMS 0.3414

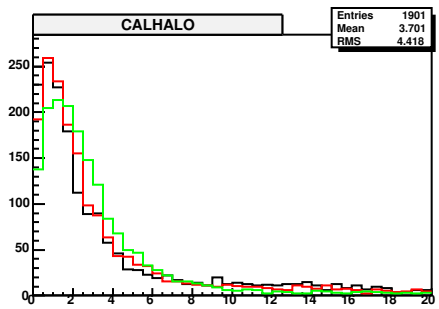

PT
Entries 1901
Mean 3.359
RMS 3.652

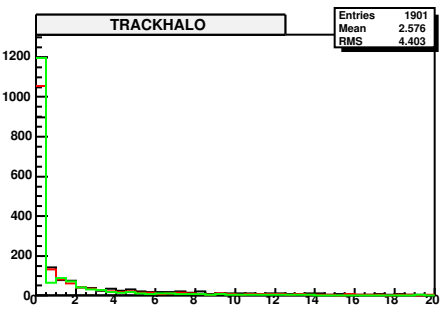

ETA
Entries 1901
Mean 0.02478
RMS 1.235

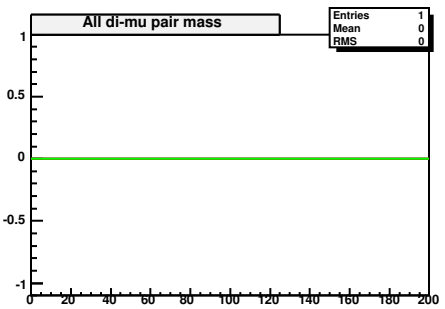

PHI
Entries 1901
Mean 3.027
RMS 1.796

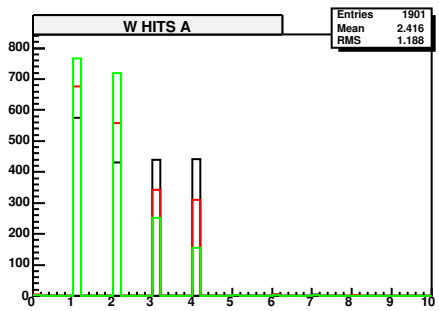

CHISQPERDOF
Entries 1901
Mean 6.034
RMS 6.815

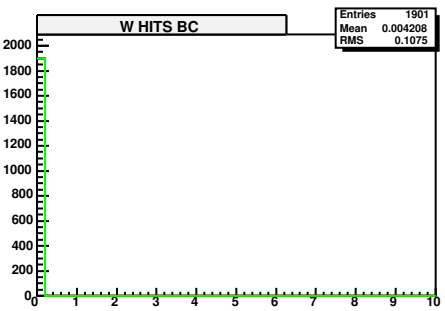

CHISQLOC
Entries 1901
Mean 0.1317
RMS 0.6035

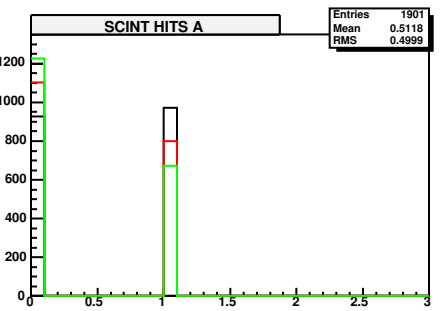

CALHALO
Entries 1901
Mean 3.701
RMS 4.418

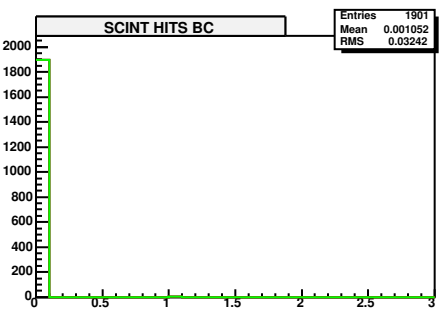

TRACKHALO
Entries 1901
Mean 2.576
RMS 4.403


All di-mu pair mass
Entries 1
Mean 0
RMS 0

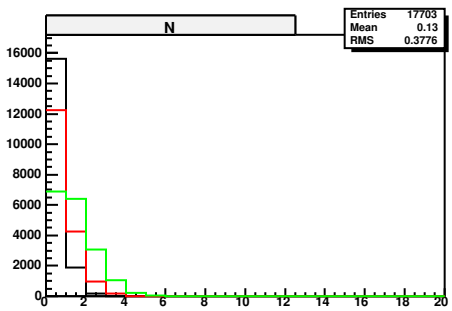

W HITS A
Entries 1901
Mean 2.416
RMS 1.188

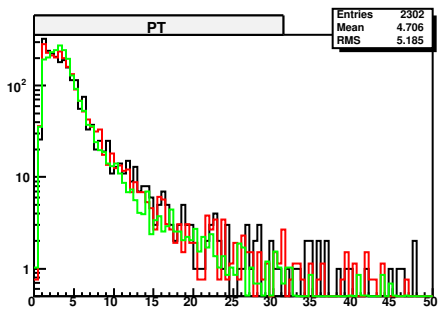

W HITS BC
Entries 1901
Mean 0.004208
RMS 0.1075

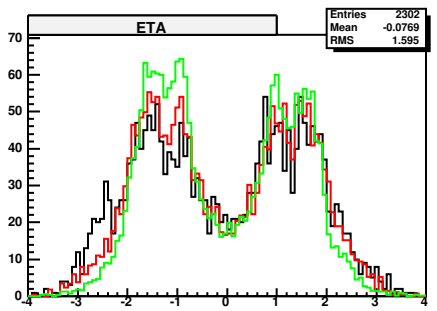

SCINT HITS A
Entries 1901
Mean 0.5118
RMS 0.4999

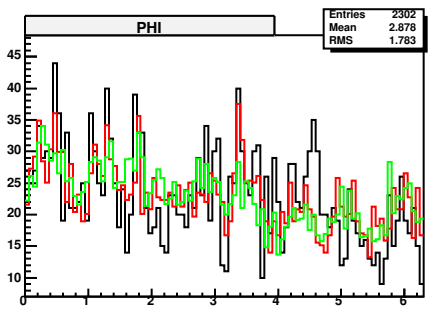

SCINT HITS BC
Entries 1901
Mean 0.001052
RMS 0.03242

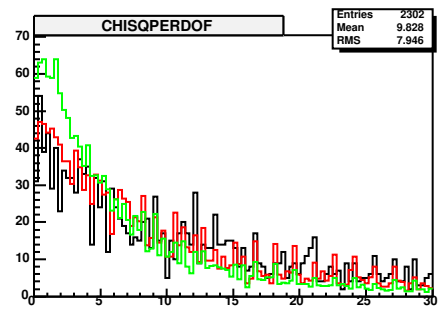
Muons (Astub)

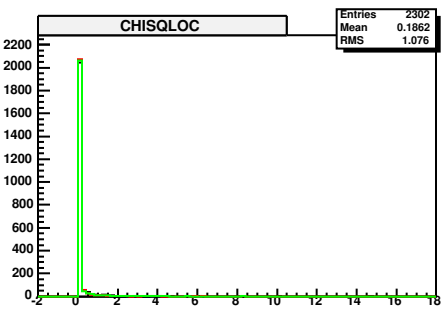


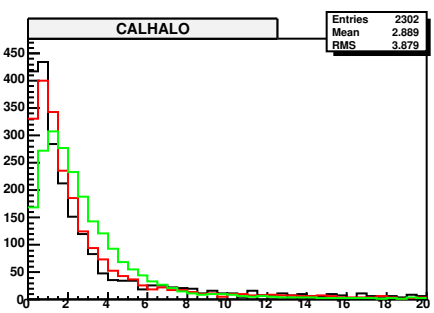


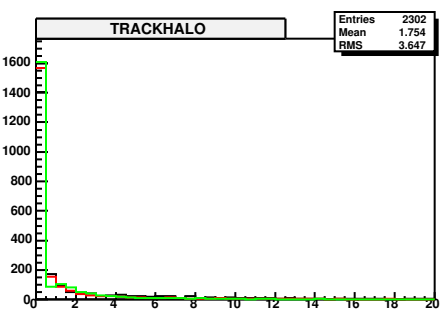


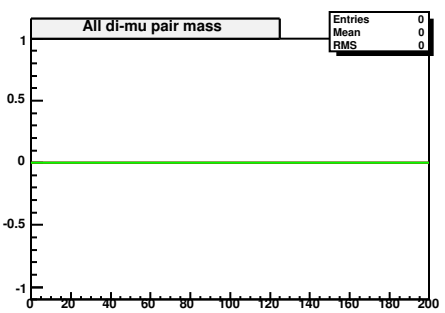


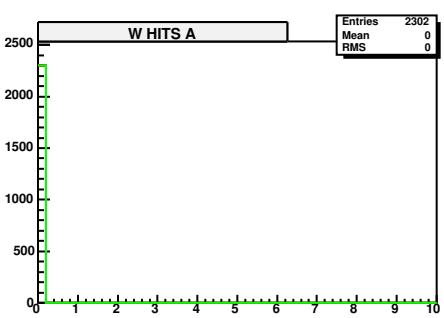


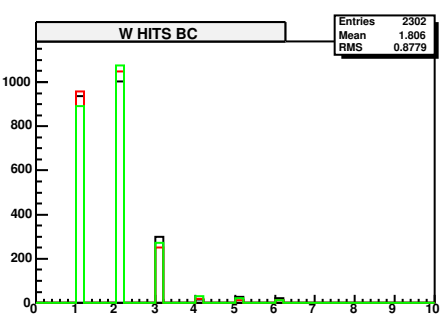


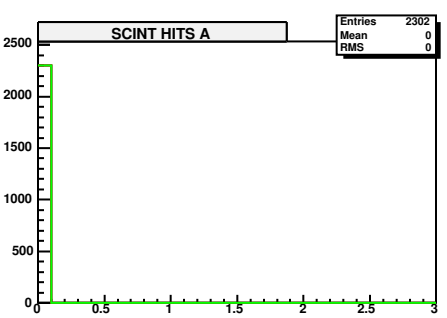


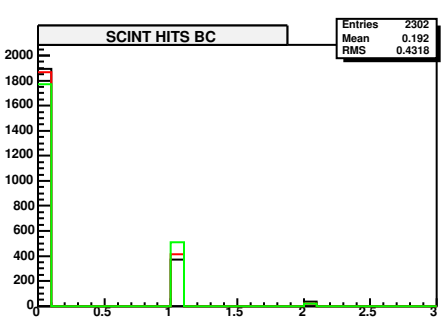




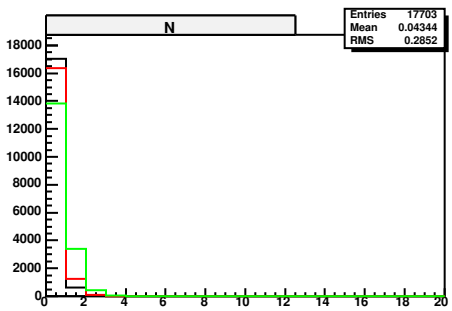


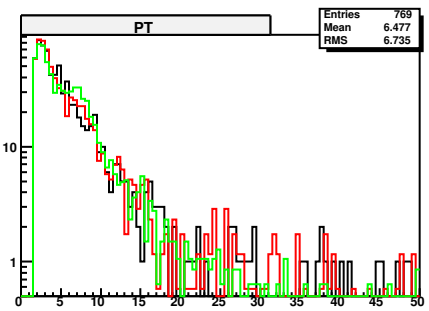


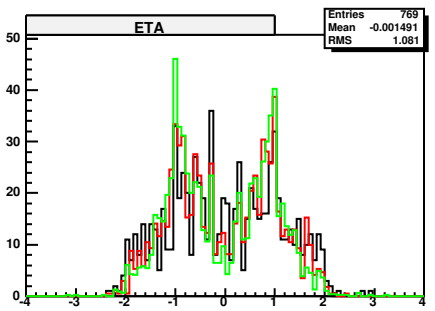


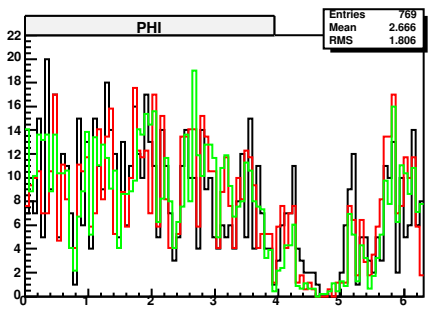


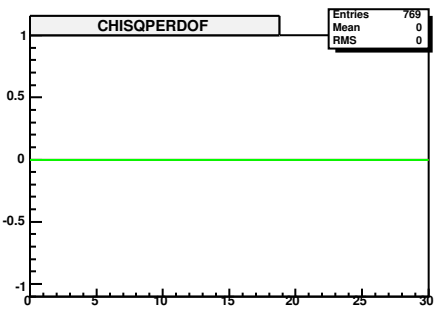
Muons (BCstub)

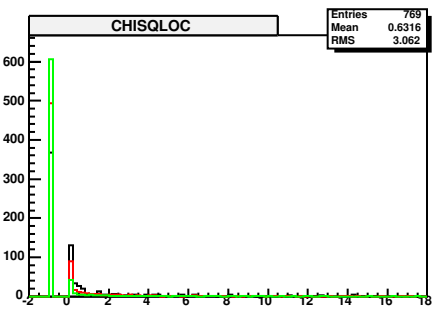


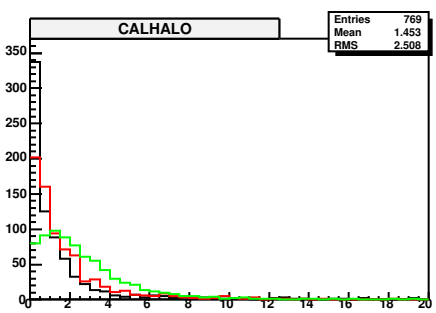


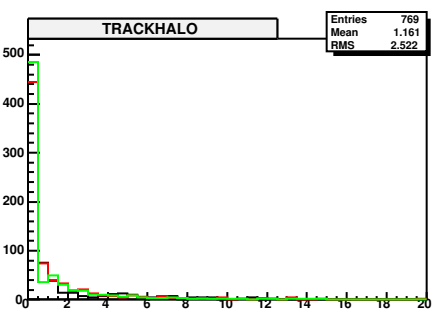


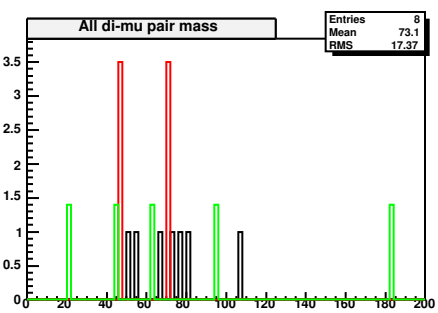


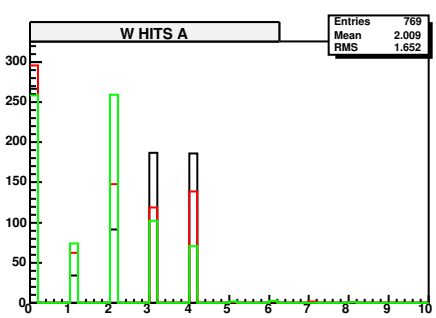


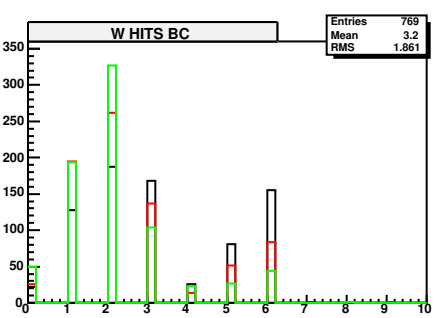


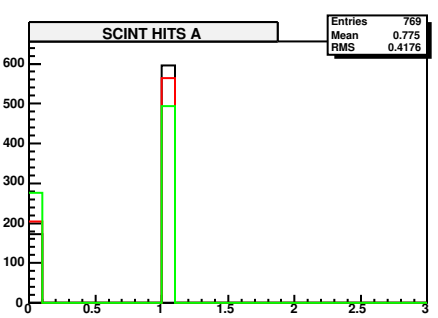


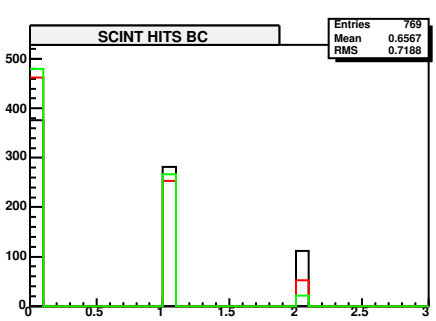




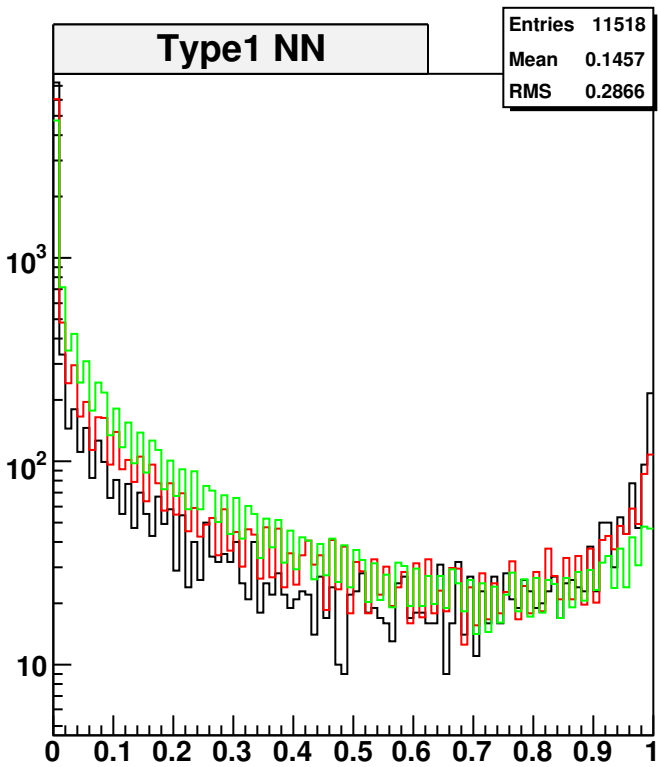


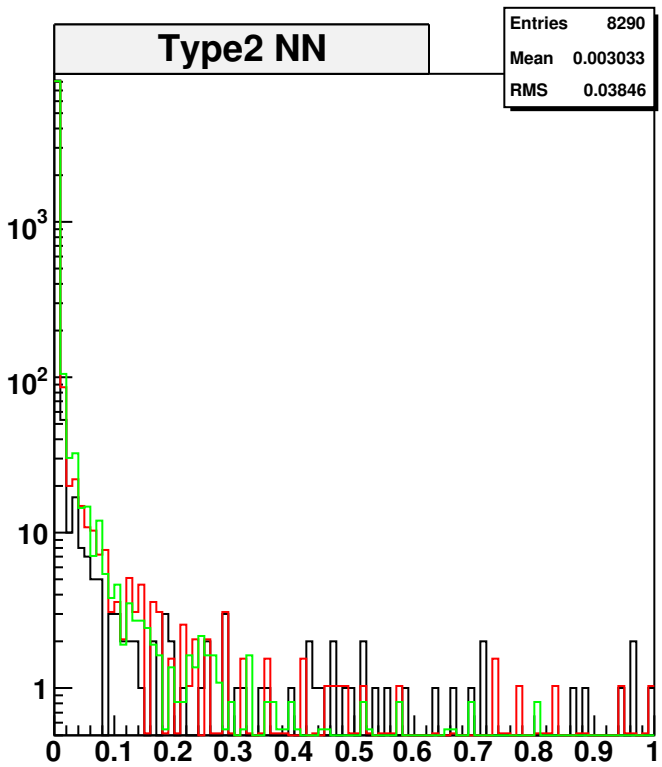


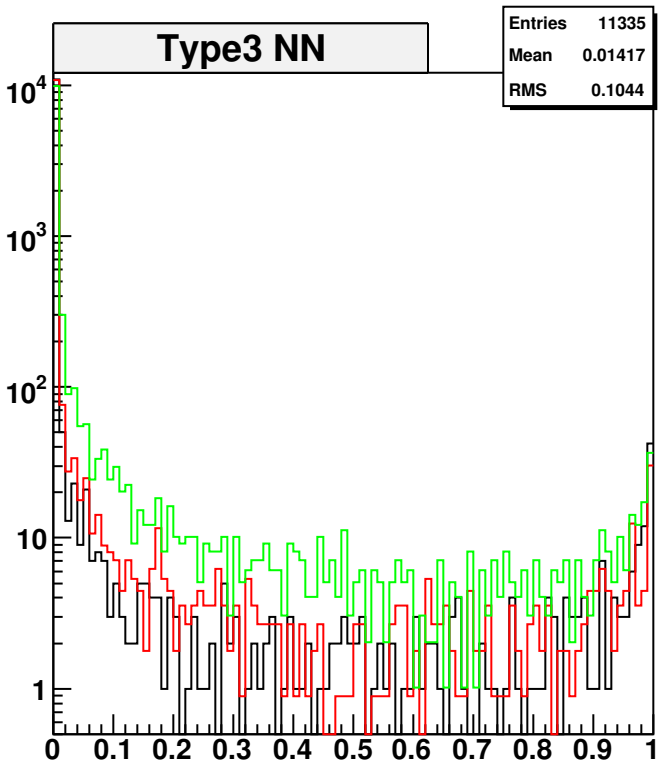


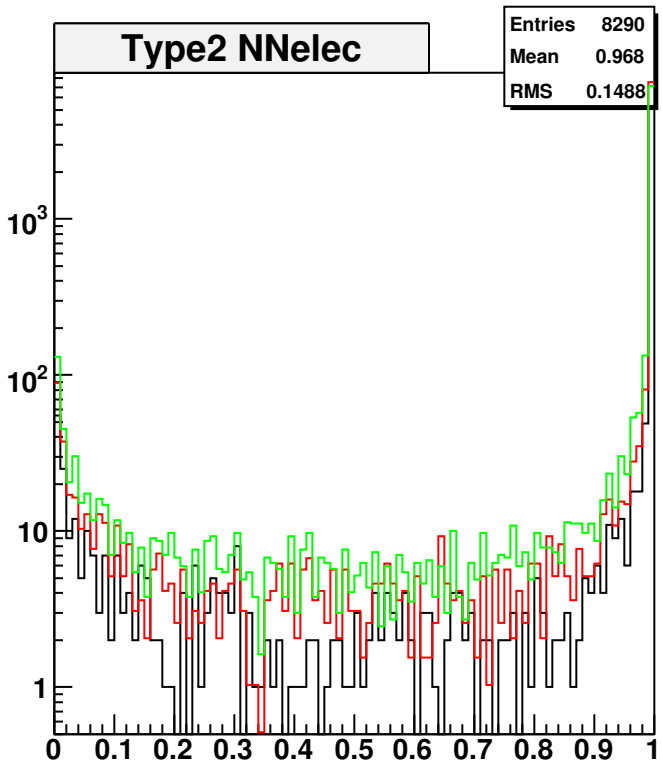


Muons (Unmatched)

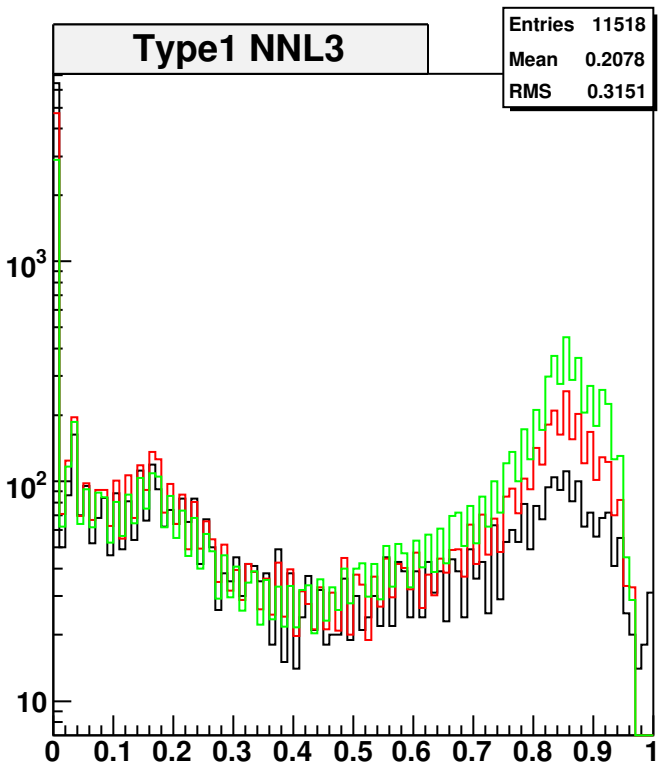


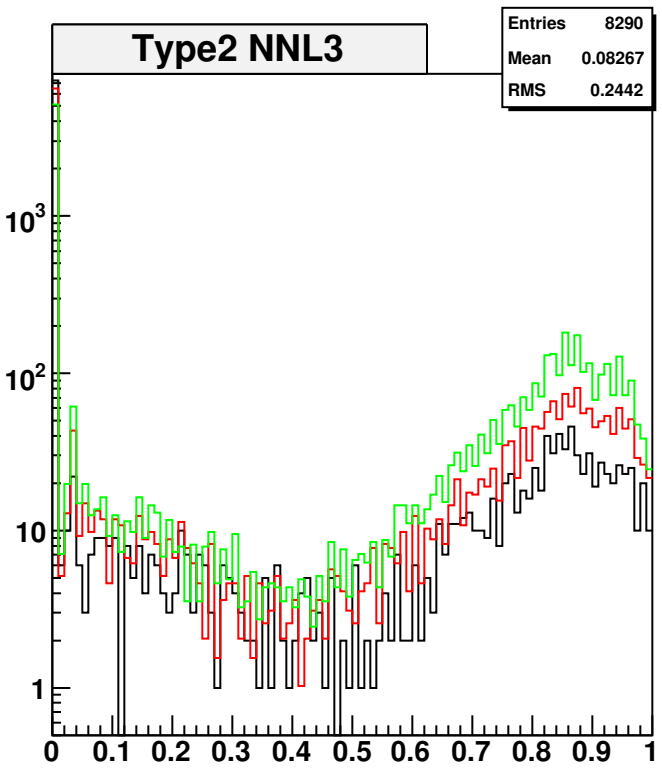


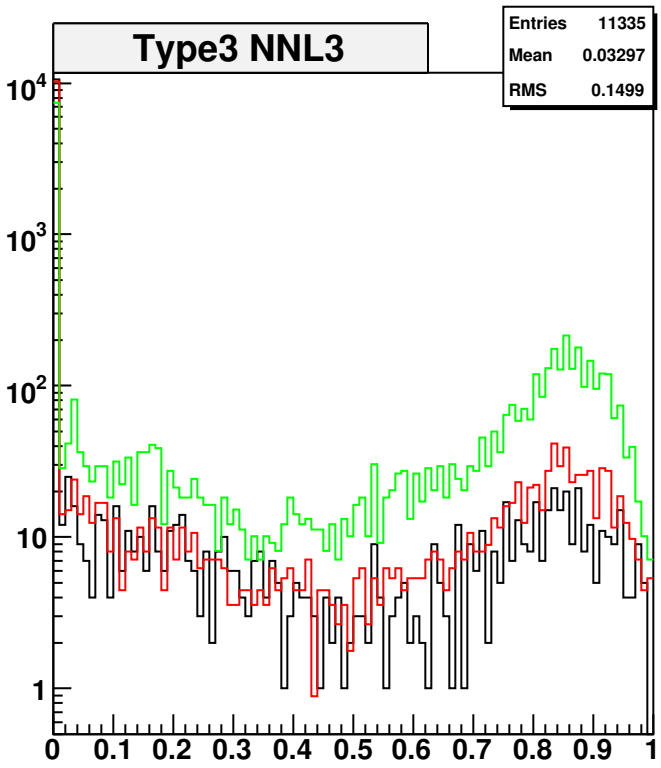


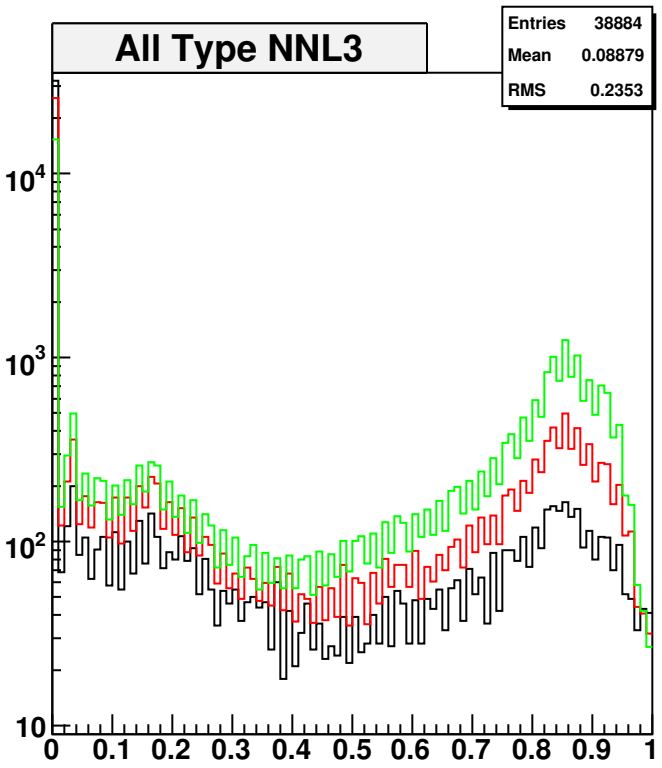


Taus NN (TAU All)

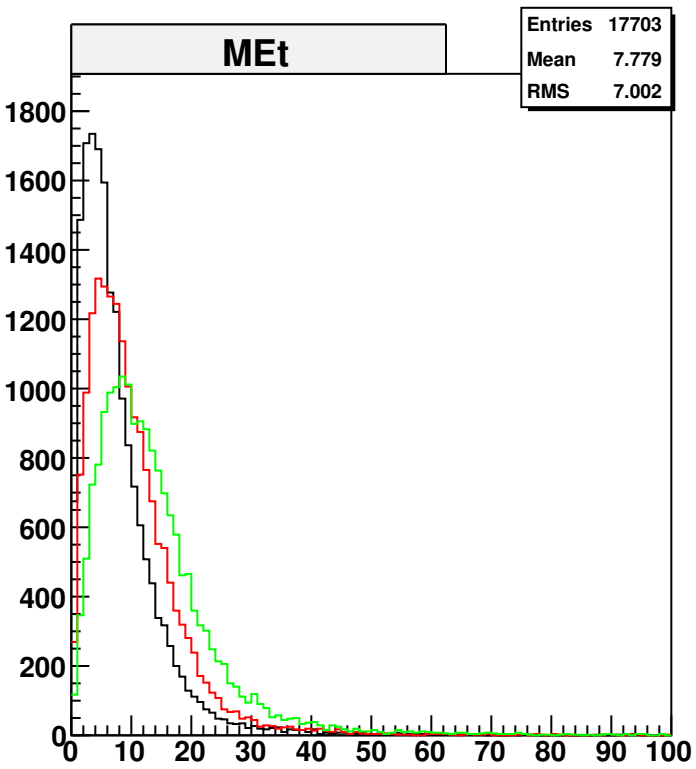


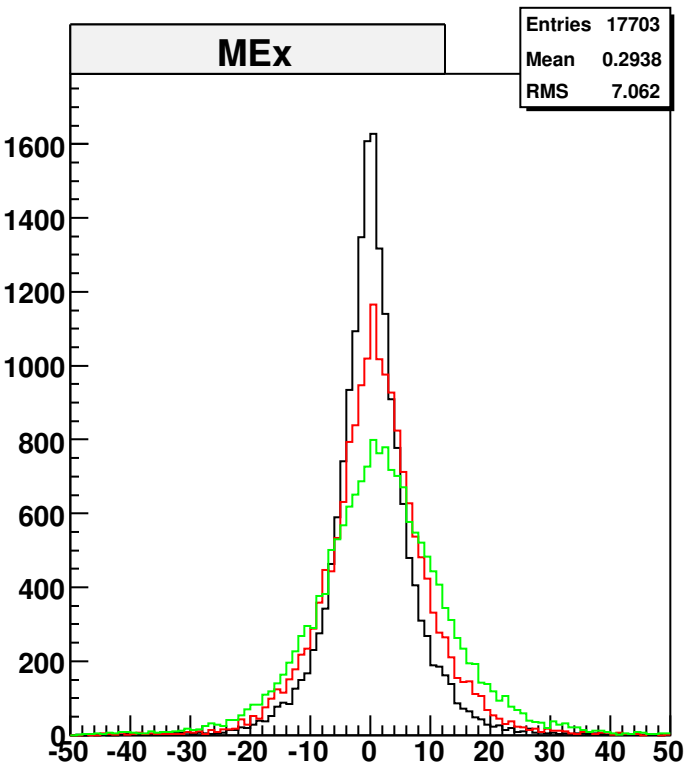






Taus NNL3 (TAU All)


MEt
Entries 17703
Mean 7.779
RMS 7.002
1800
1600
1400
1200
1000
800
600
400
200
0
0 10 20 30 40 50 60 70 80 90 100


MEx
Entries 17703
Mean 0.2938
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1600
1400
1200
1000
800
600
400
200
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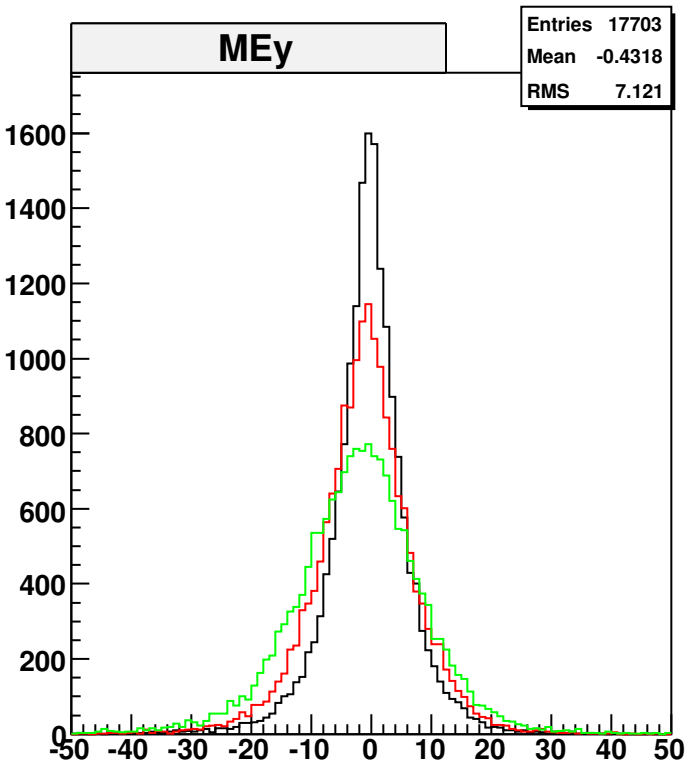
MEy
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RMS 7.121
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1200
1000
800
600
400
200
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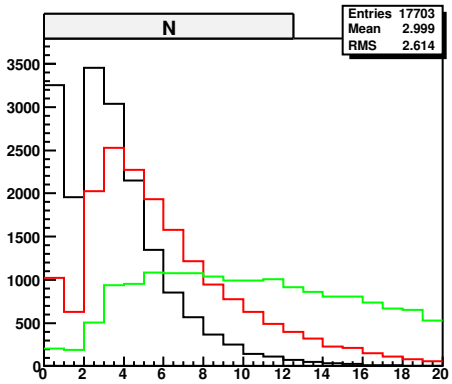
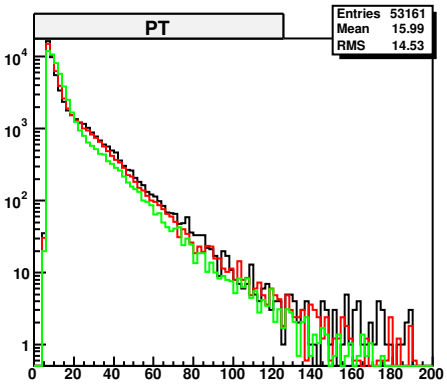
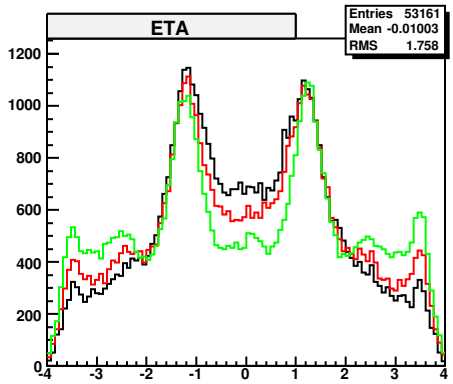
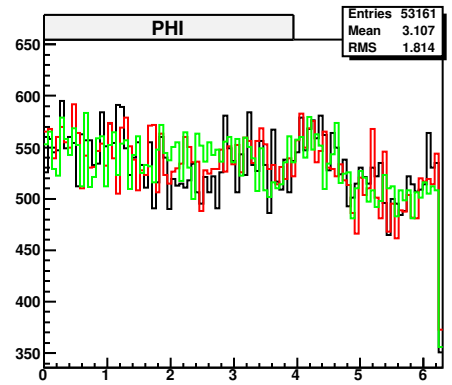
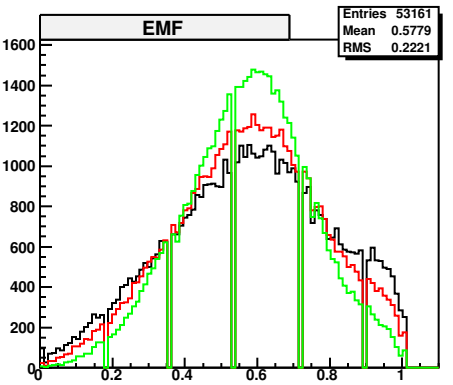
Met (No cuts)

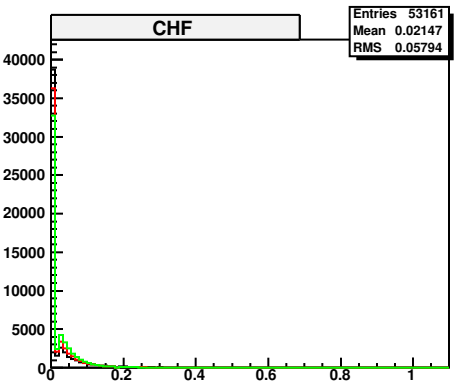


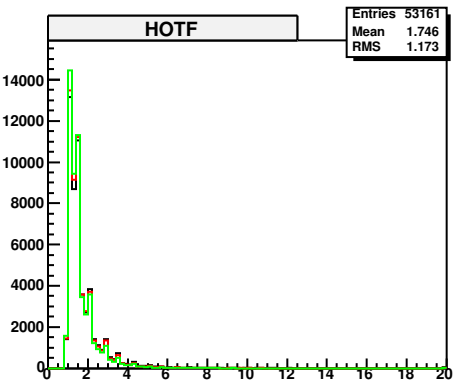


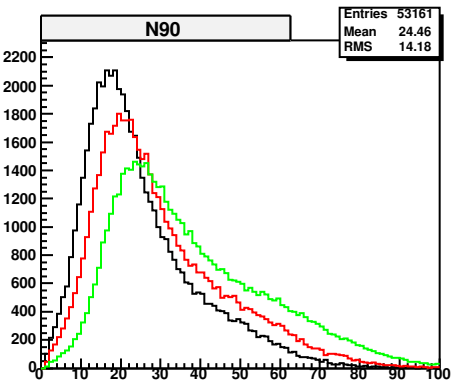


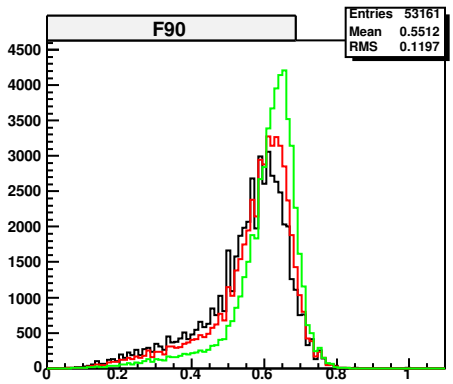


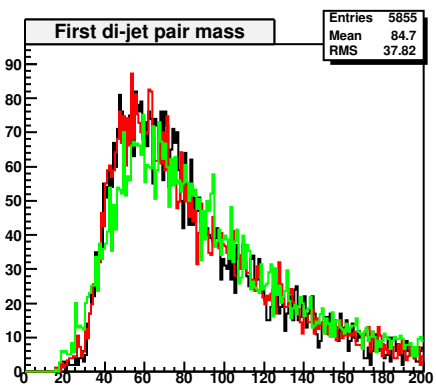


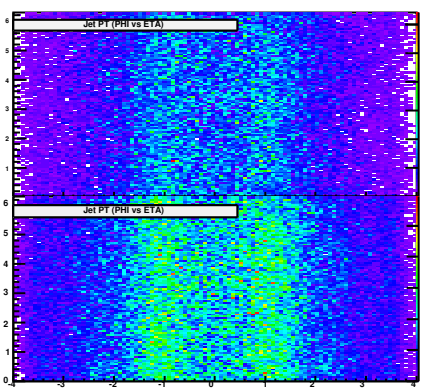




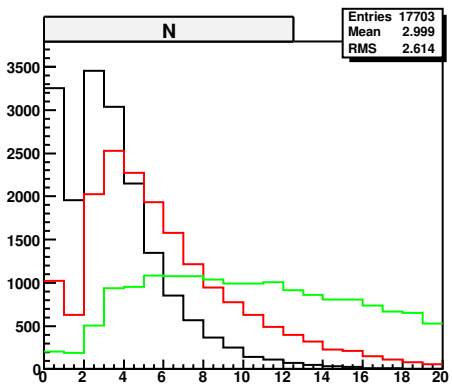


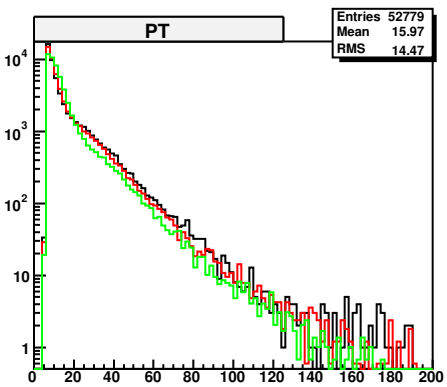


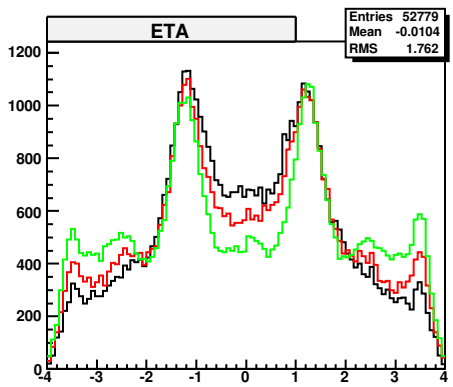


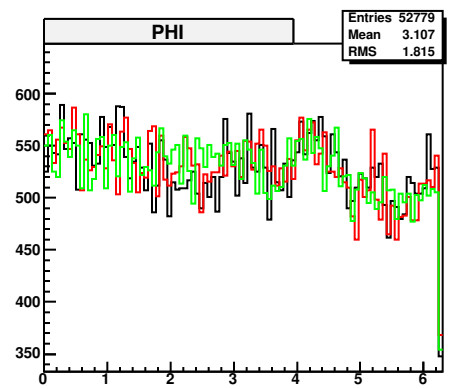


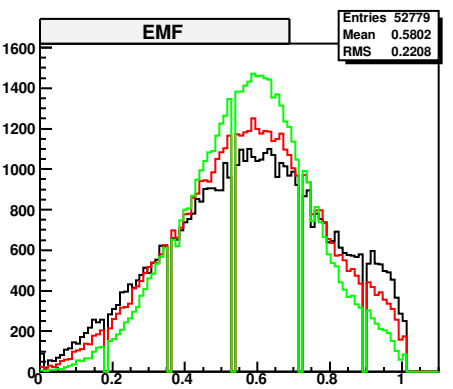
Jets (Cone R 0.7 (no cuts))

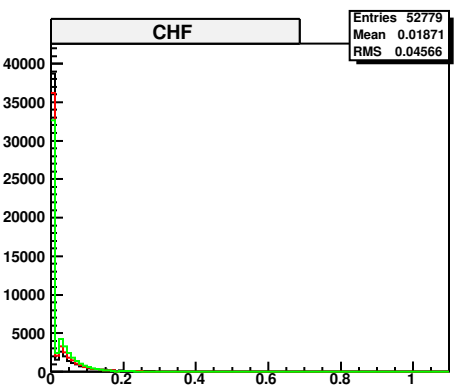


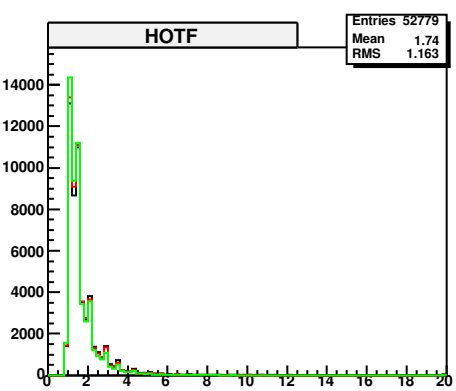


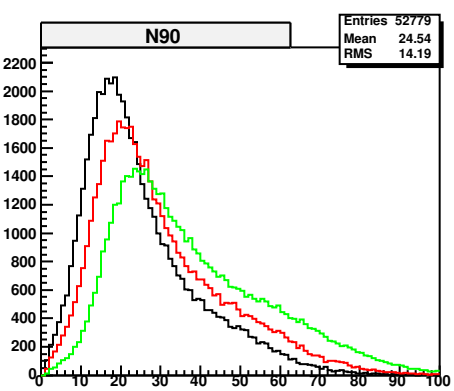


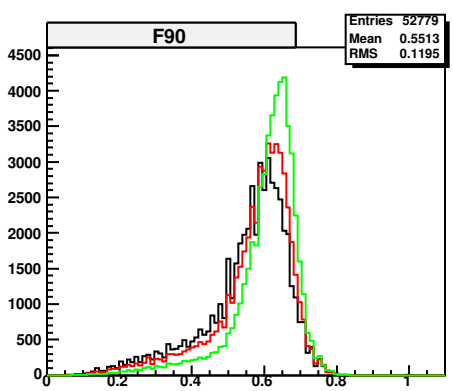


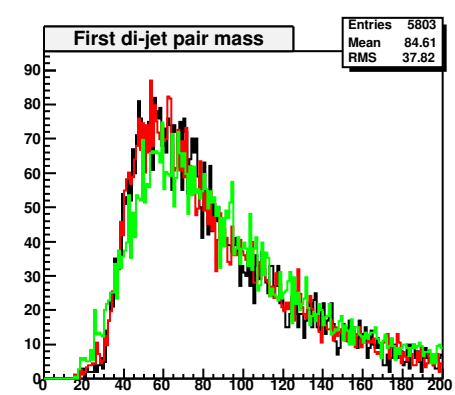


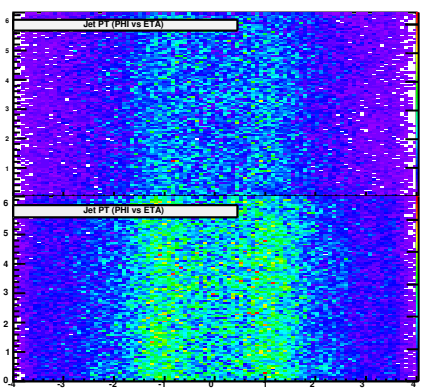




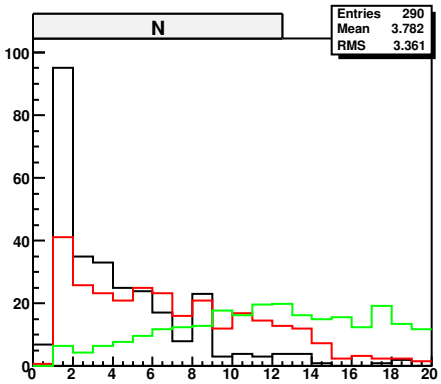


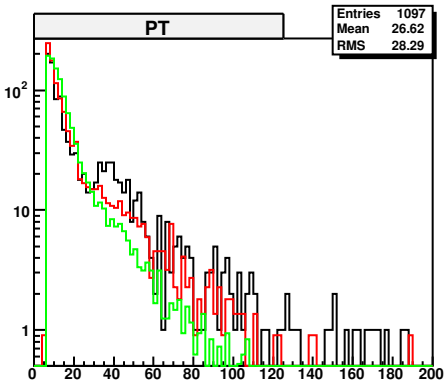


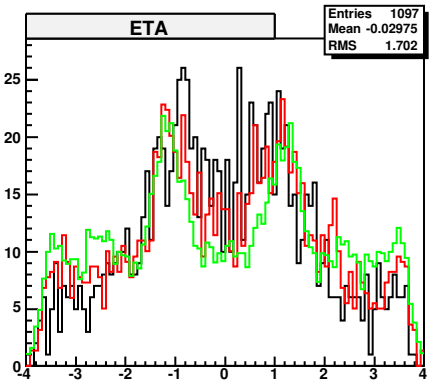


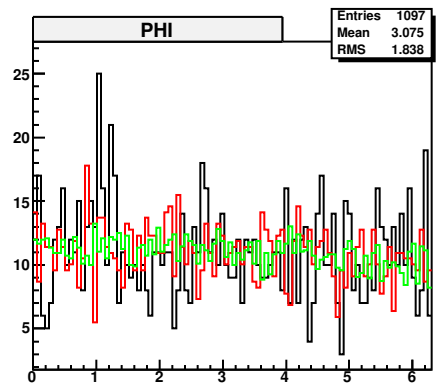


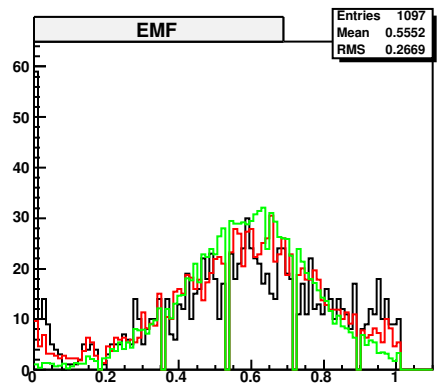
Jets (Cone R 0.7 (standard cuts))

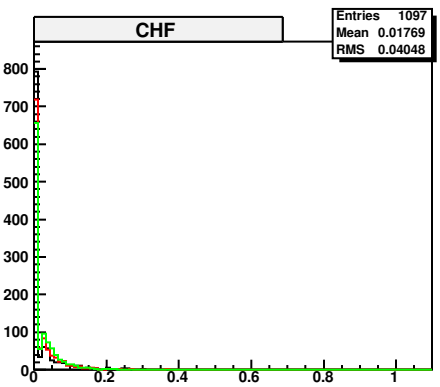


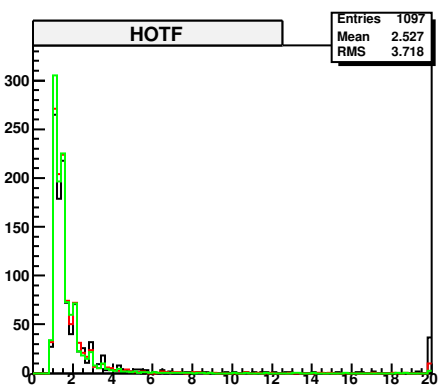


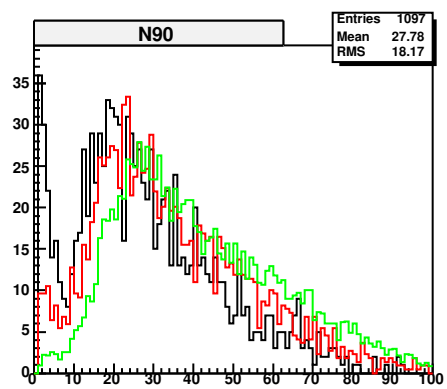


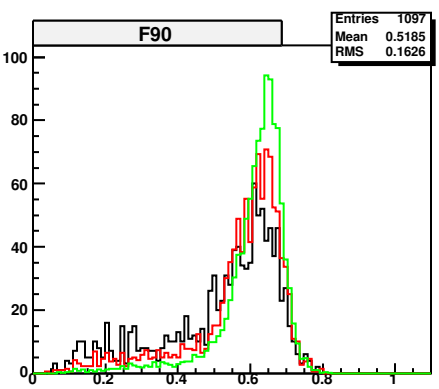


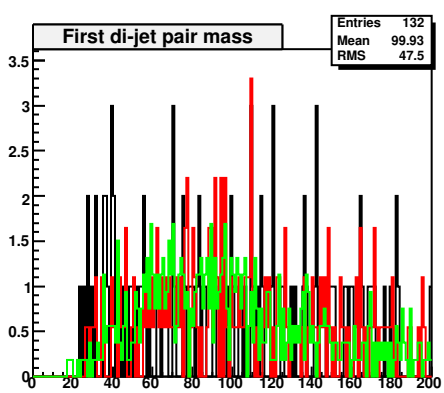


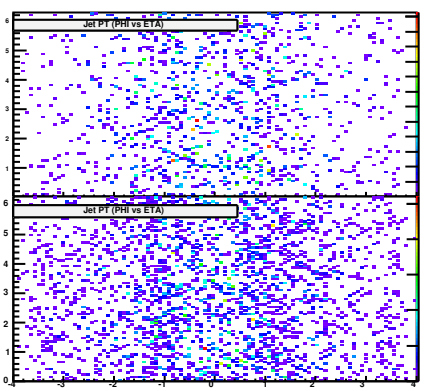






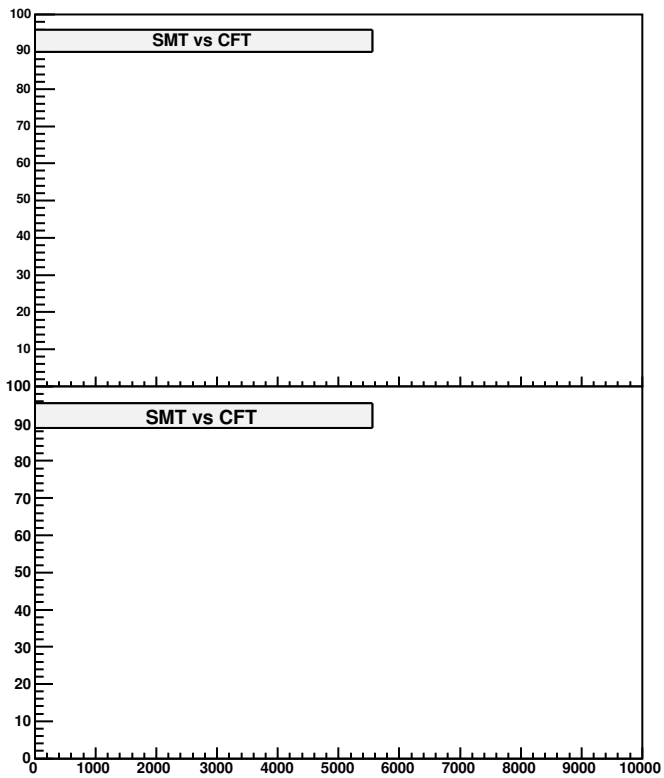


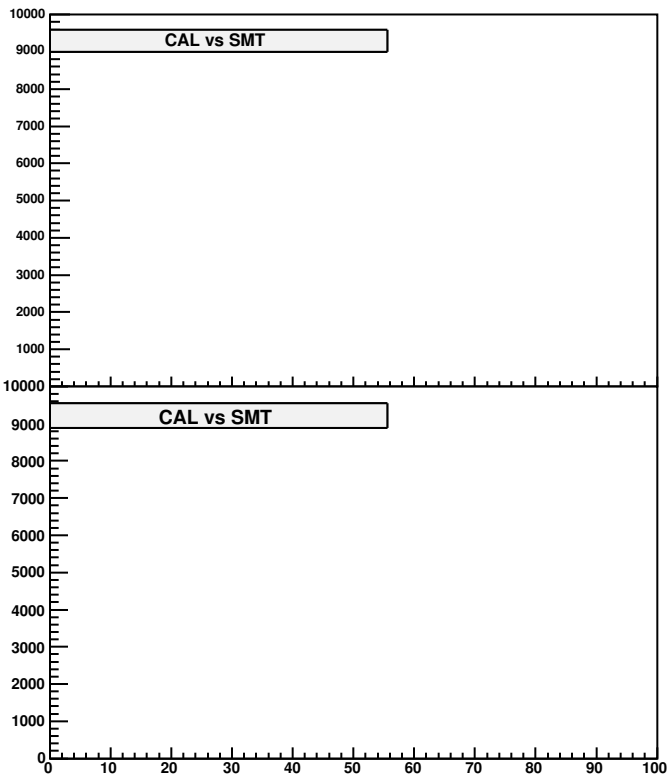


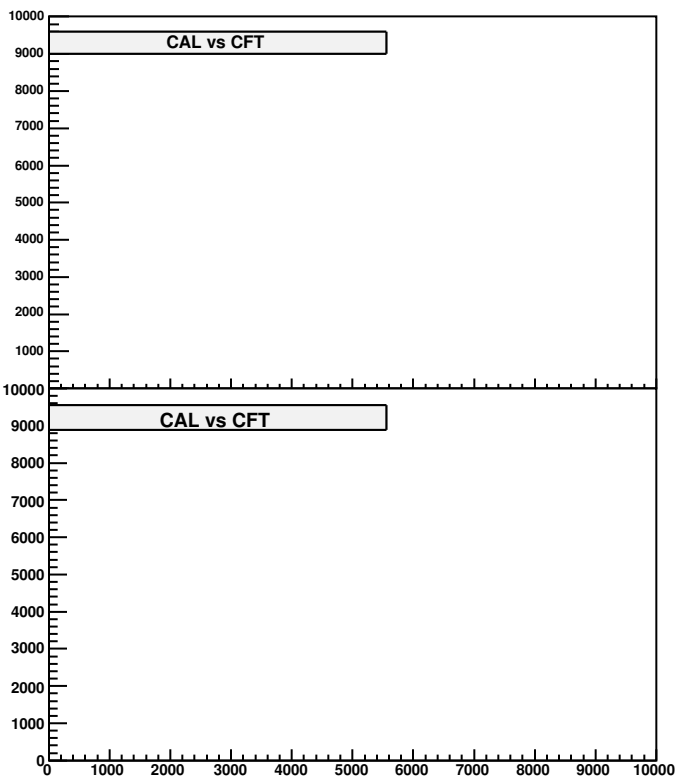


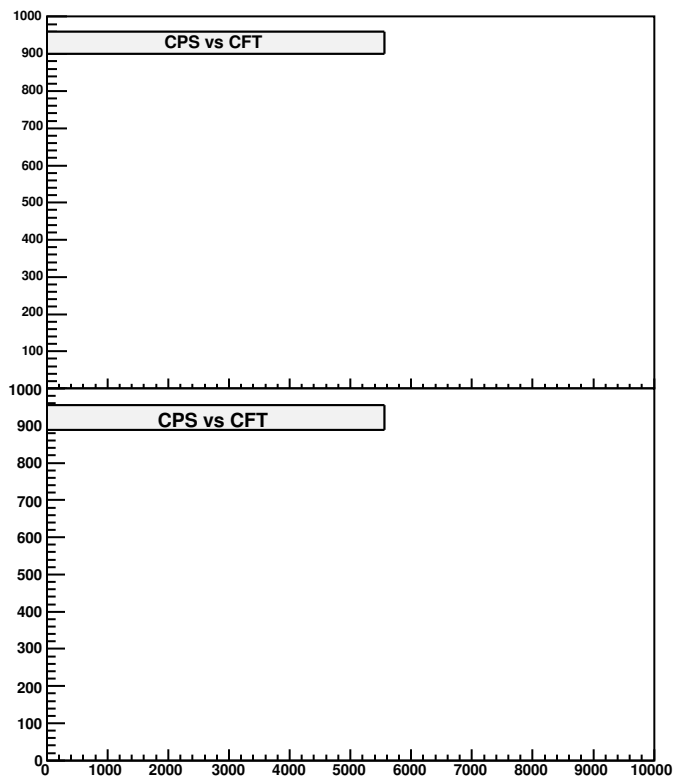
Jets (Cone R 0.7 (standard cuts, MET>30))

Detector Occupancy (Detector)

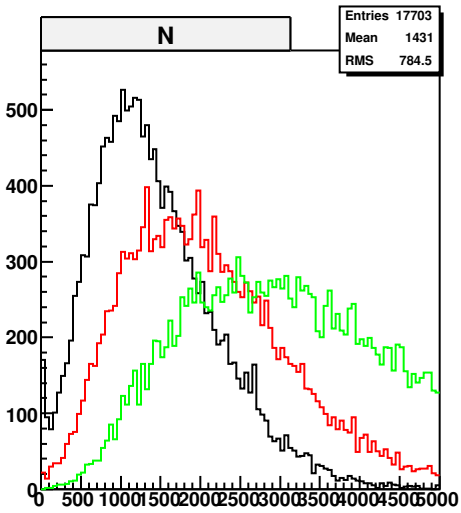


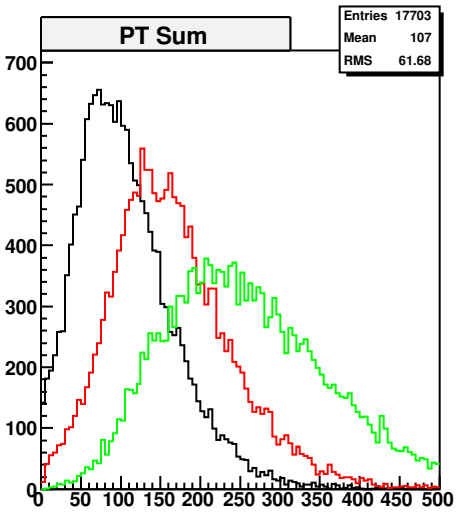


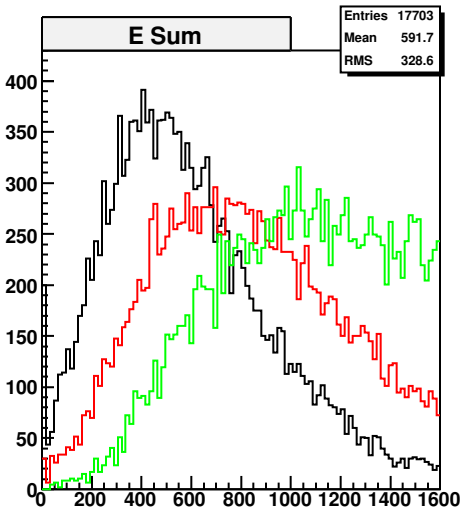


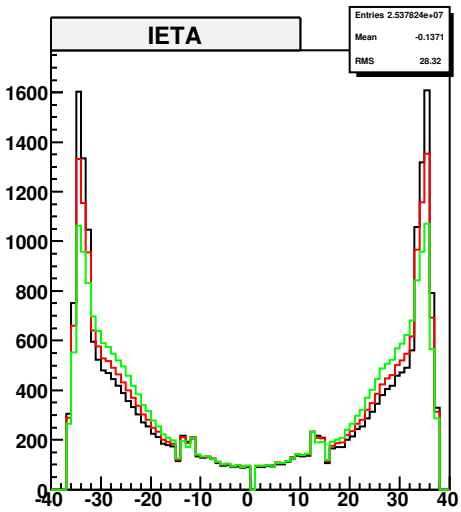


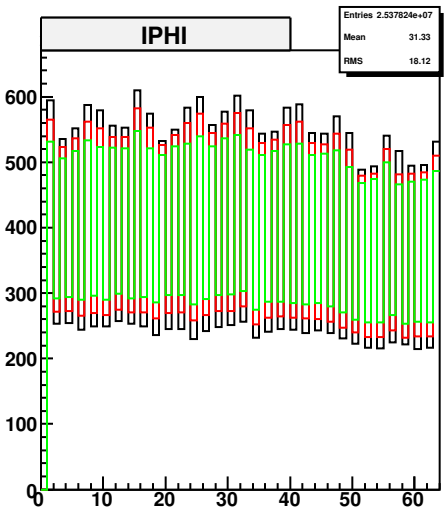
Detector Occupancy (Detector)

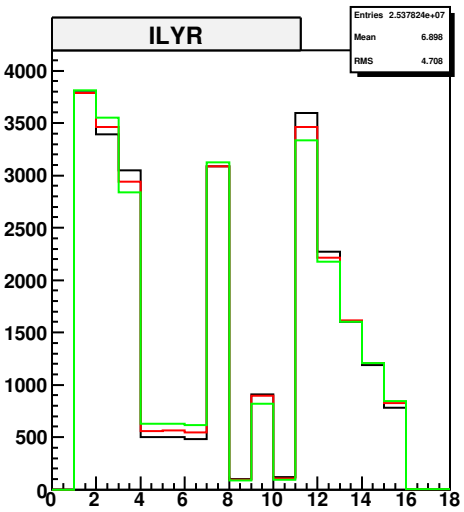


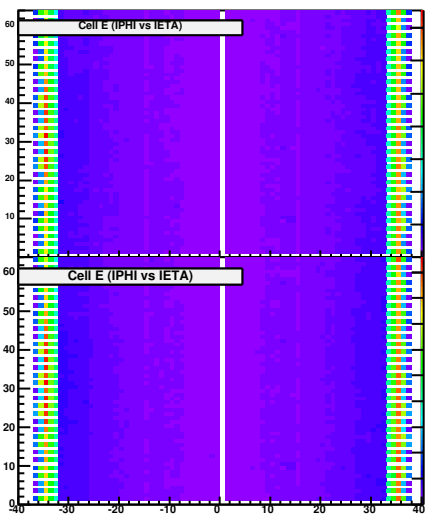


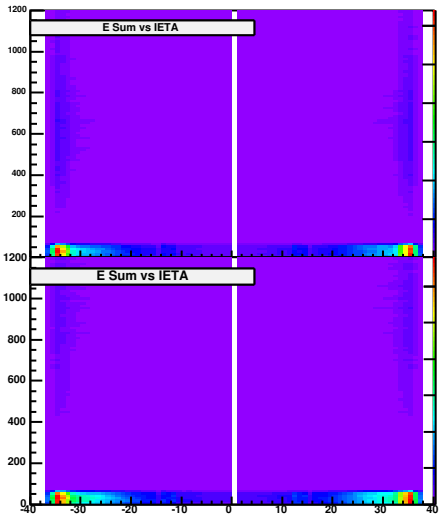


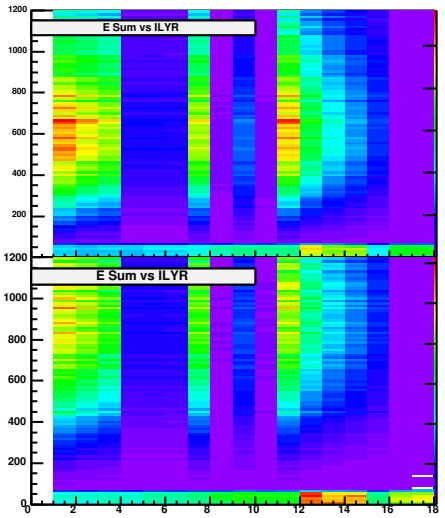




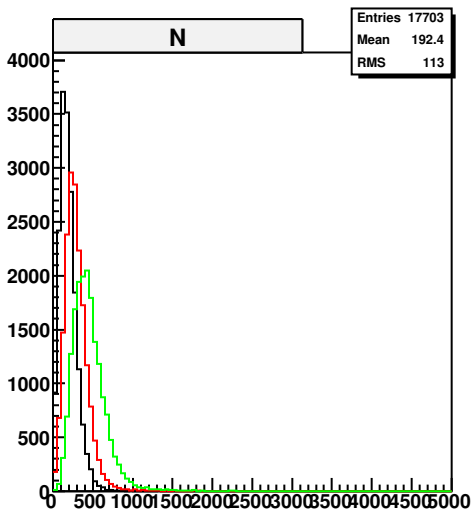


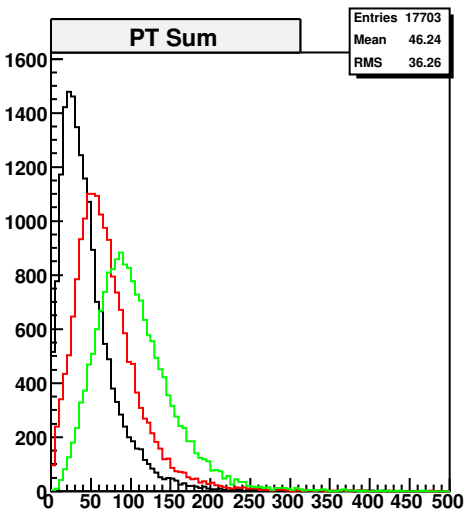


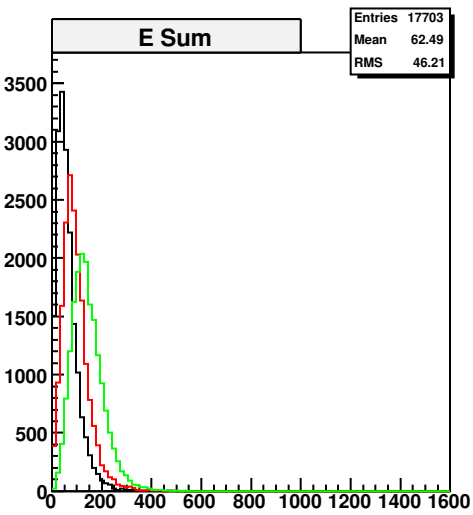


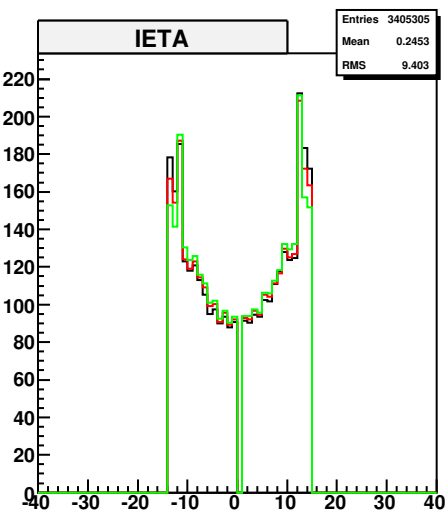


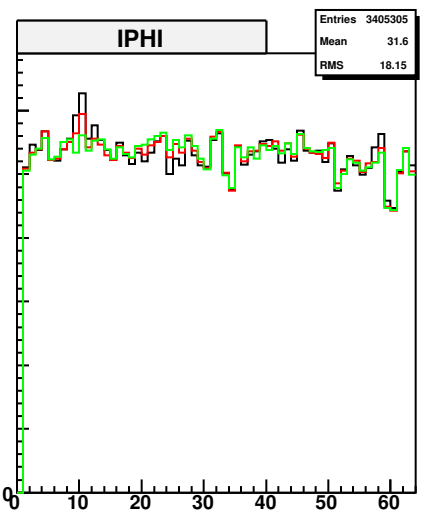
Calorimeter (All cells)

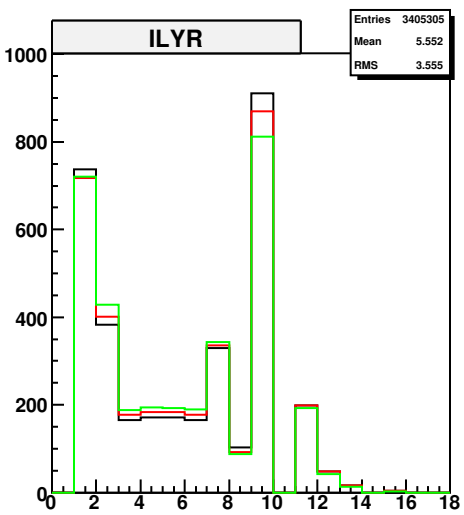


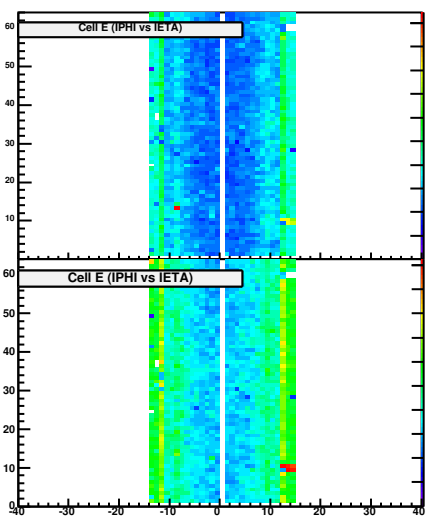


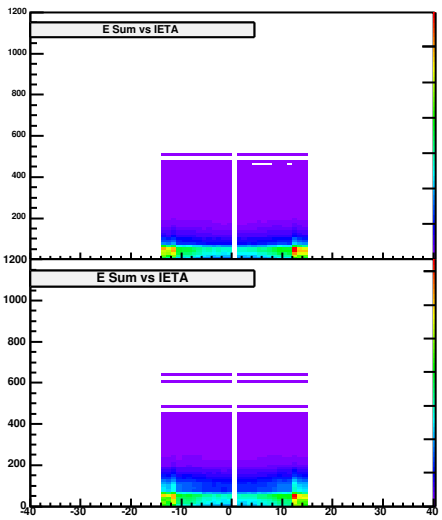


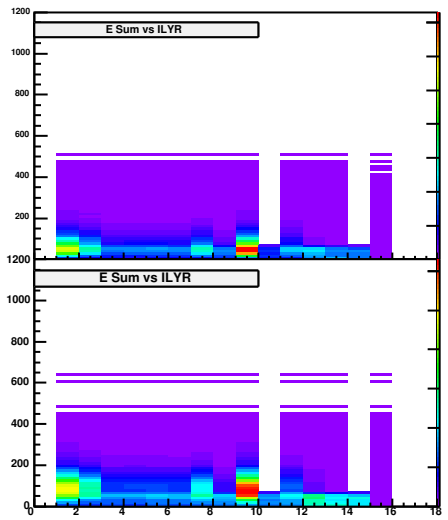




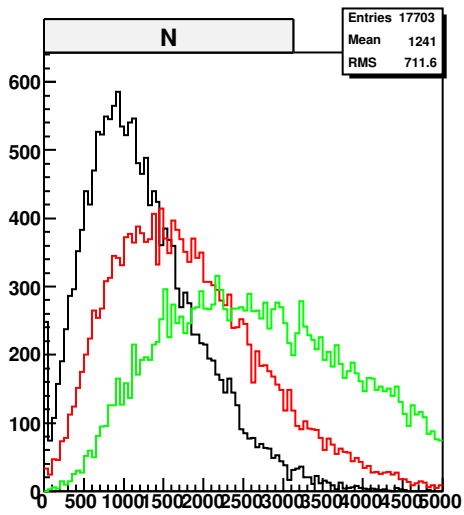


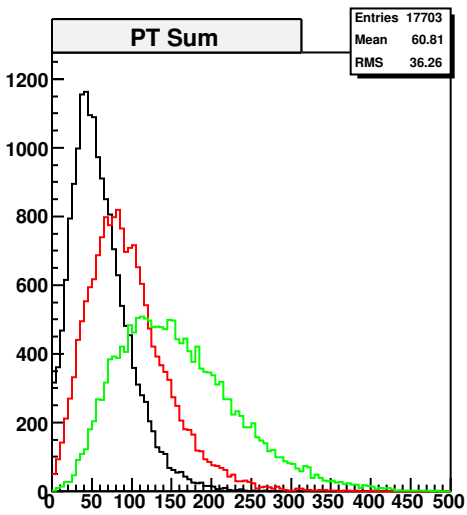


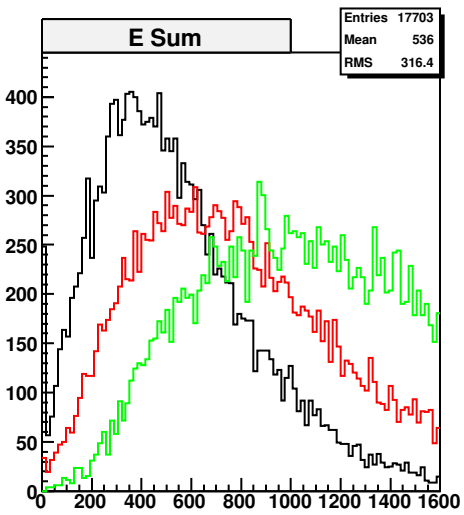


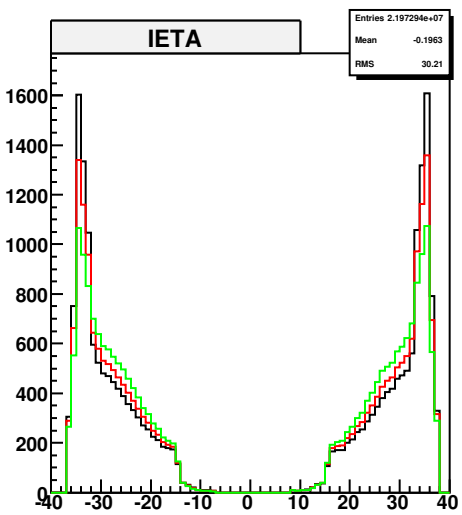


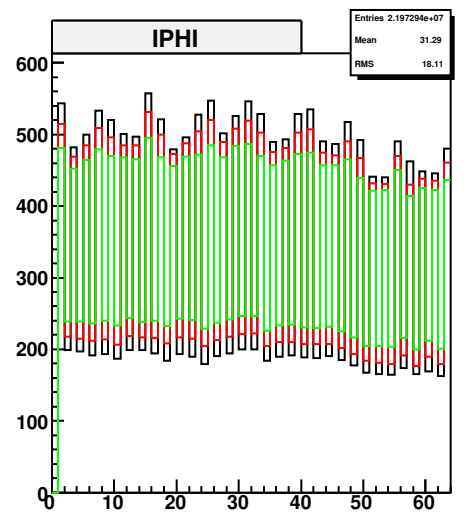
Calorimeter (All CC cells)

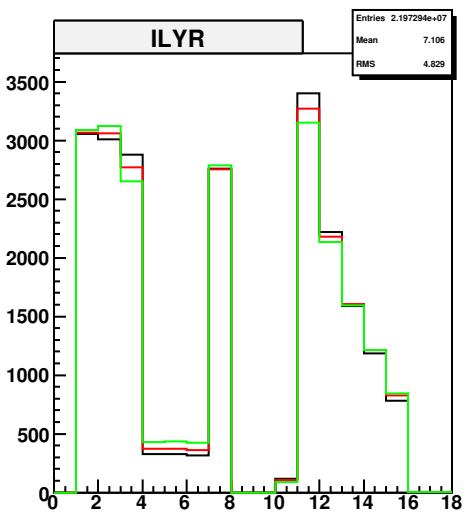


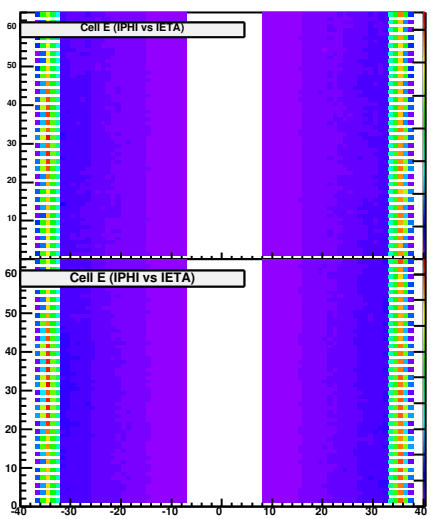


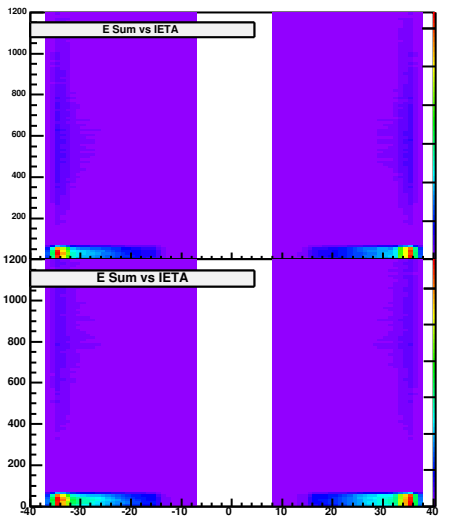


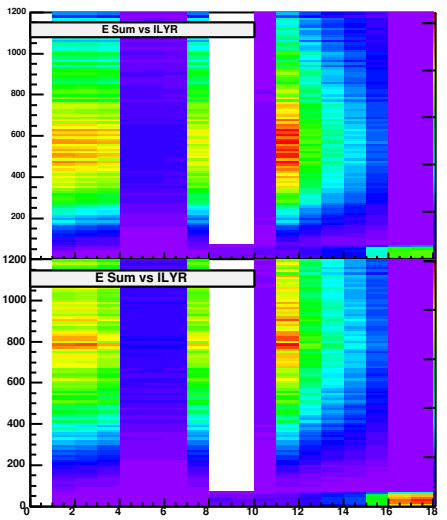




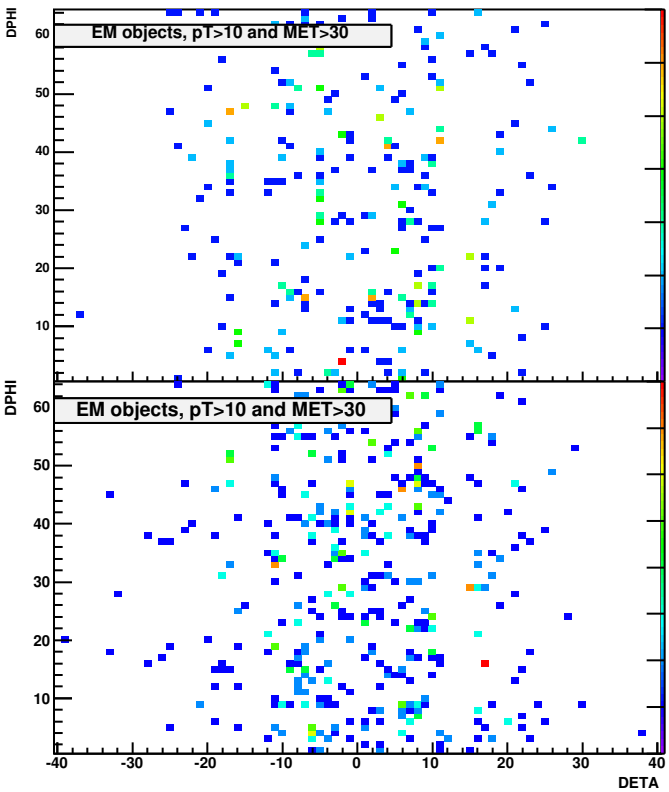


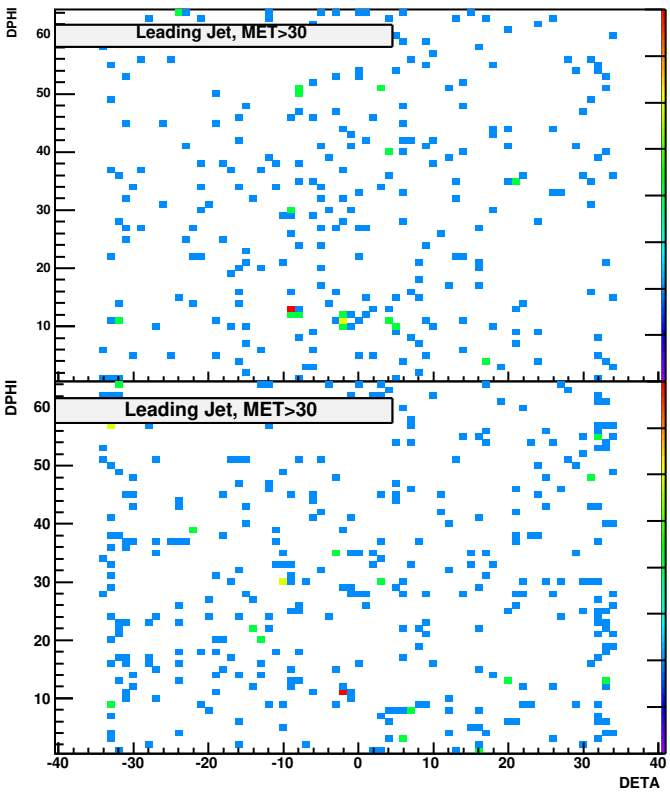


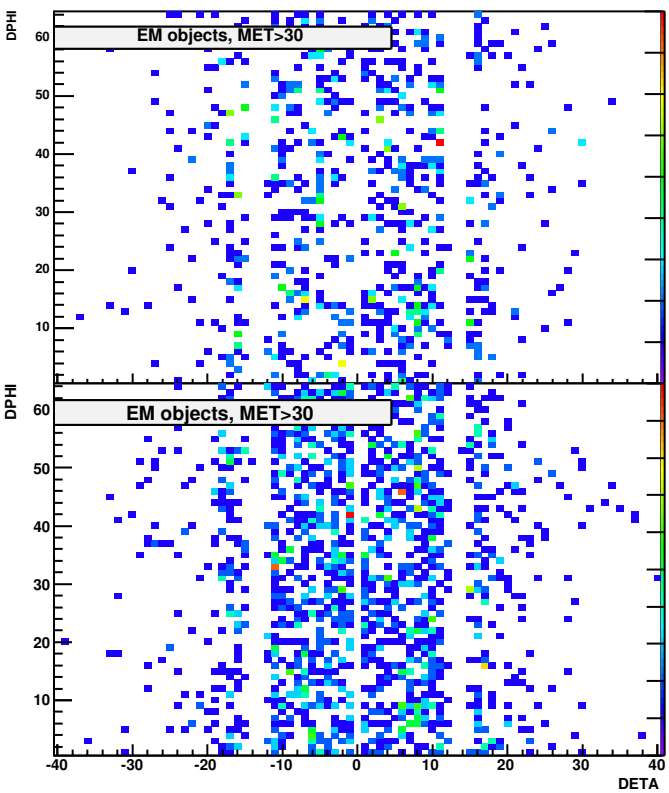


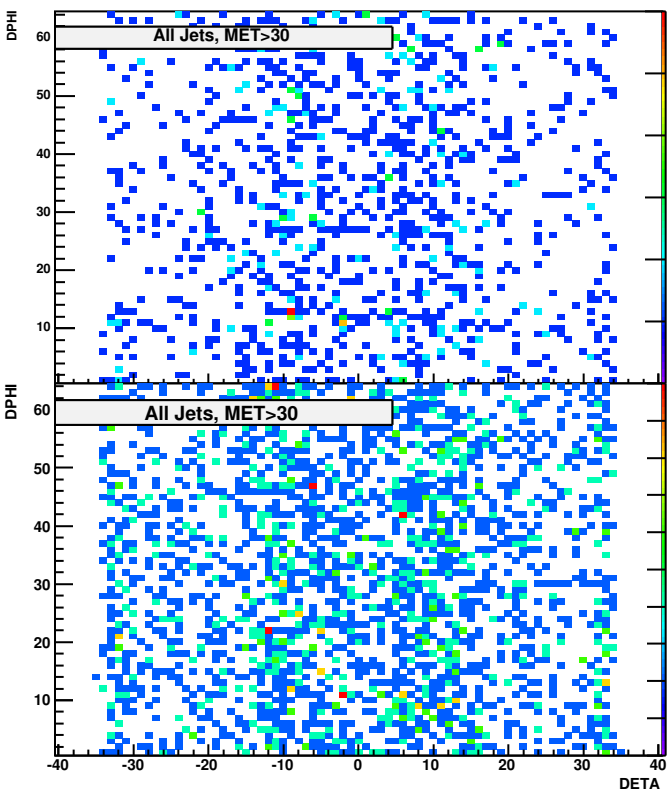


Calorimeter (All EC cells)

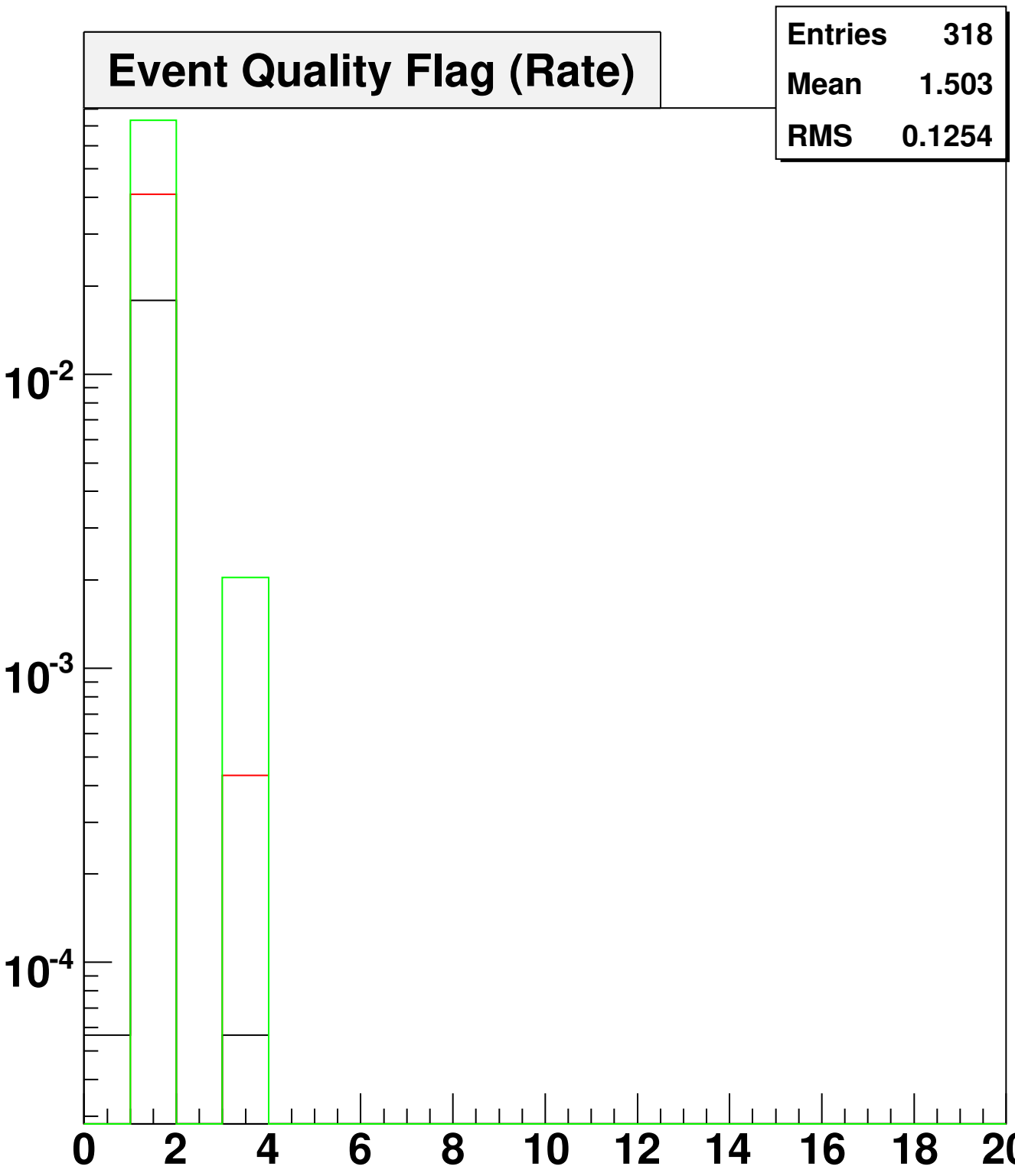








Cal Objects with MET>30 (All cells)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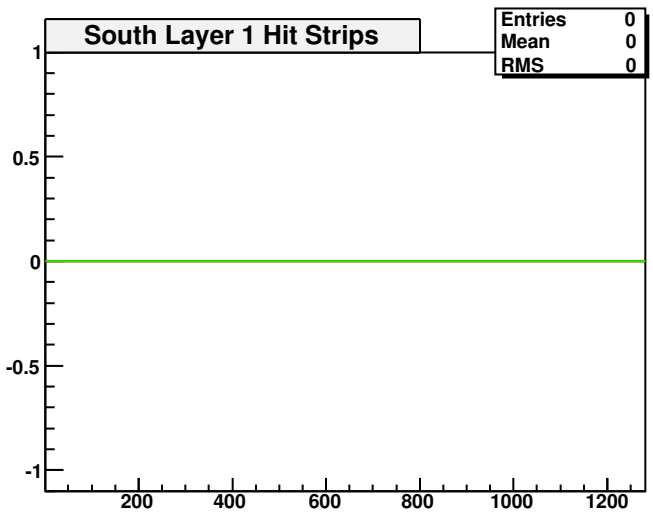
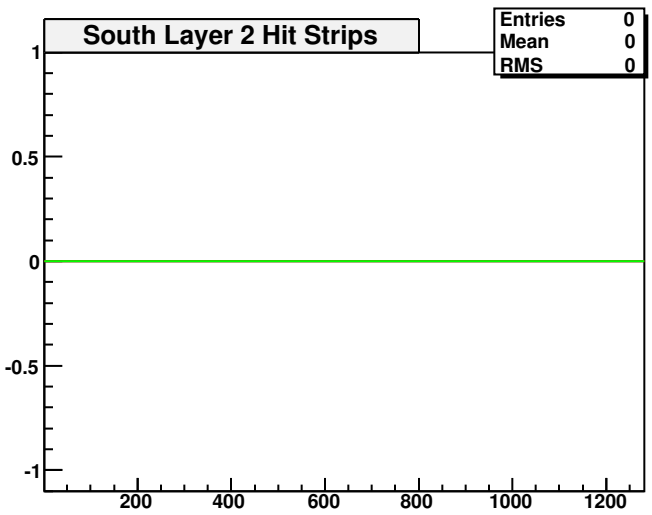
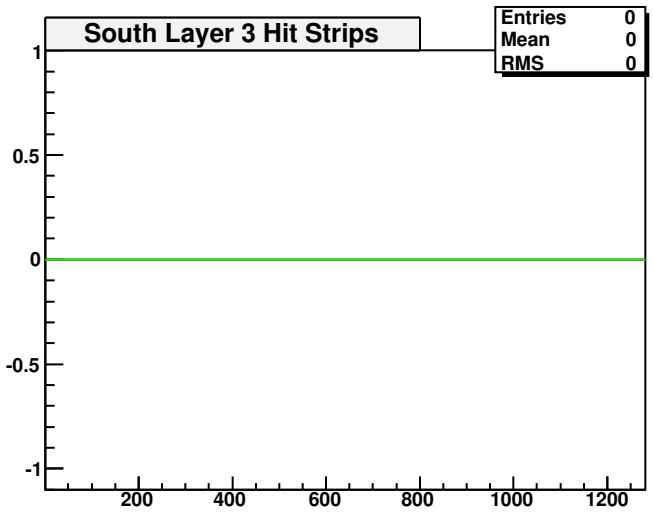
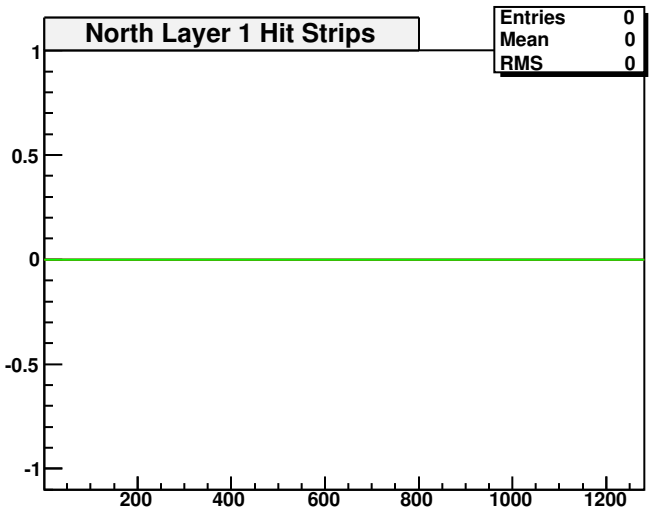
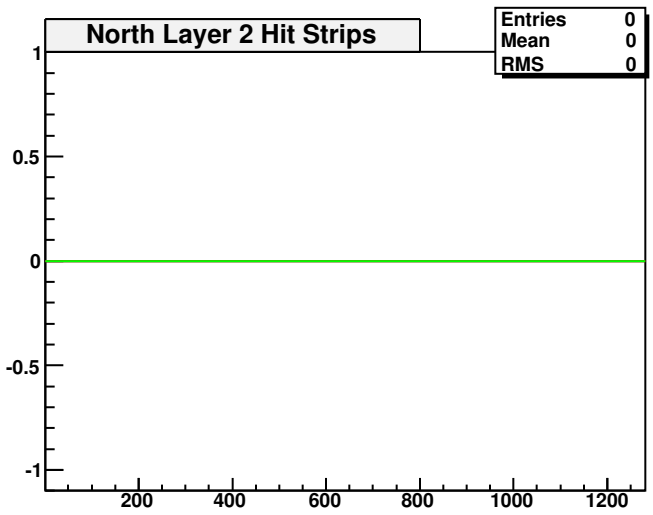
Entries 318
Mean 1.503
RMS 0.1254
10-2
10-3
10-4
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

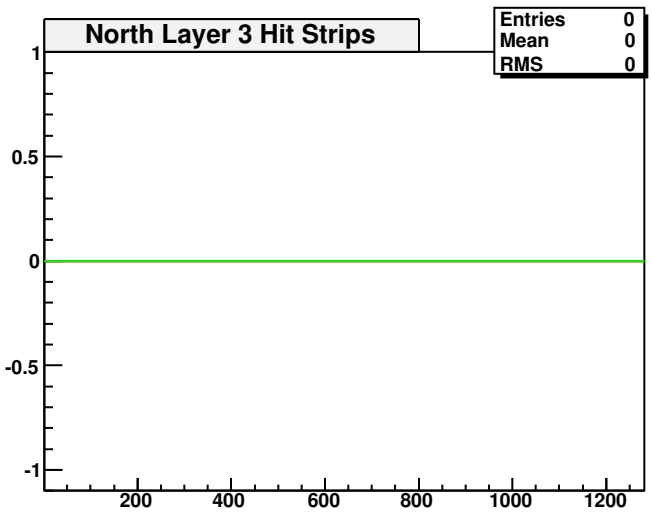




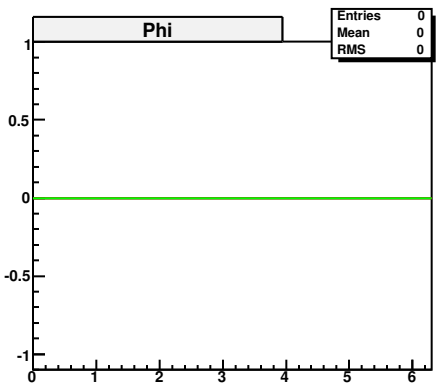


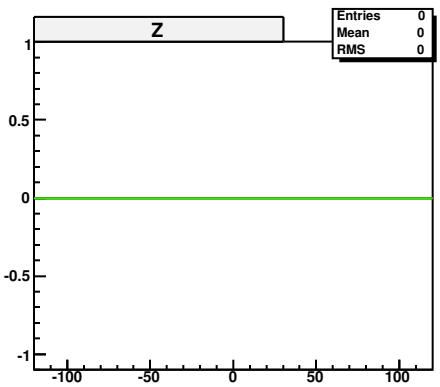


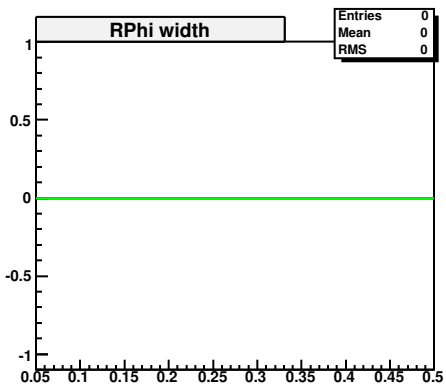


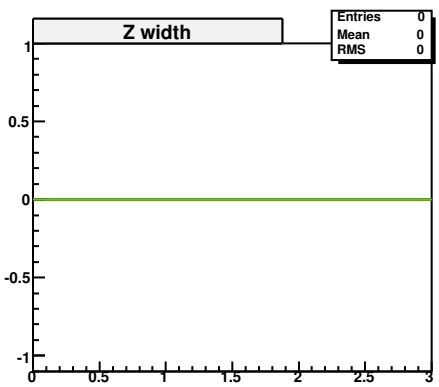


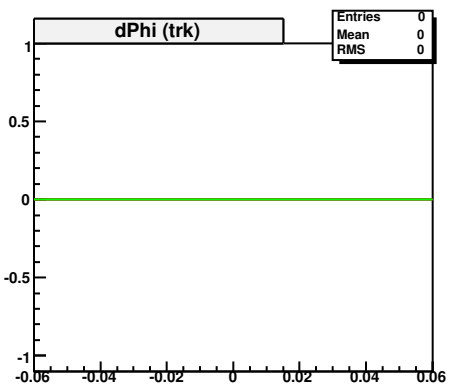
CPS Hit Strips (All Clusters)

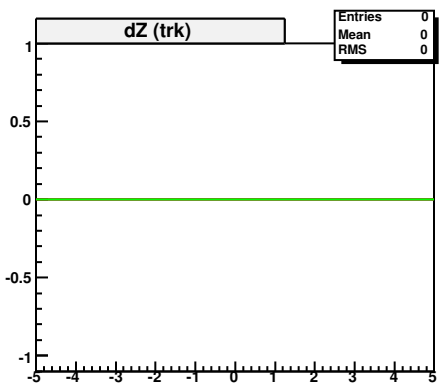


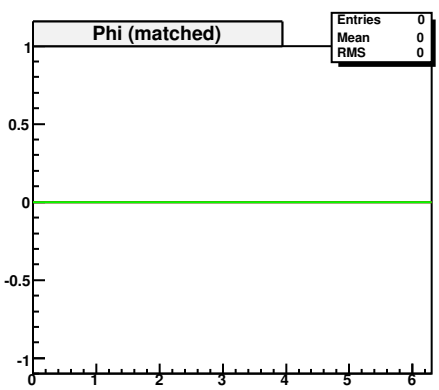


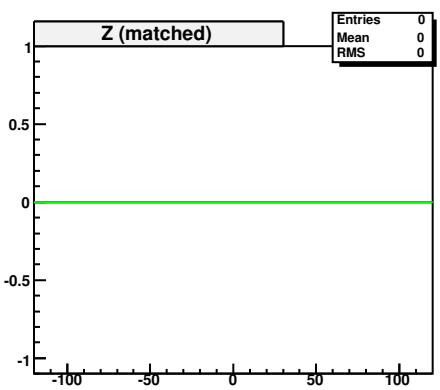




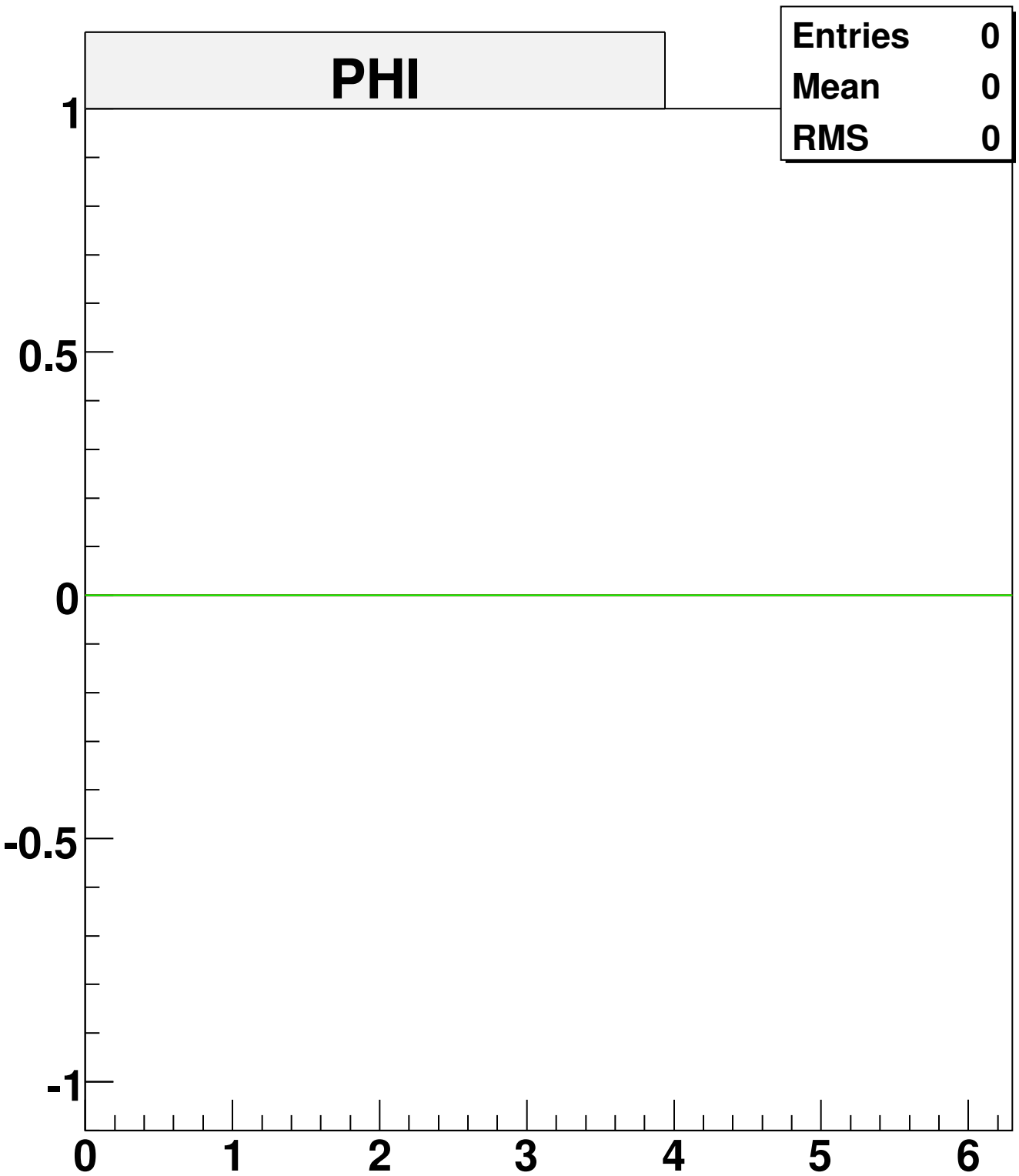


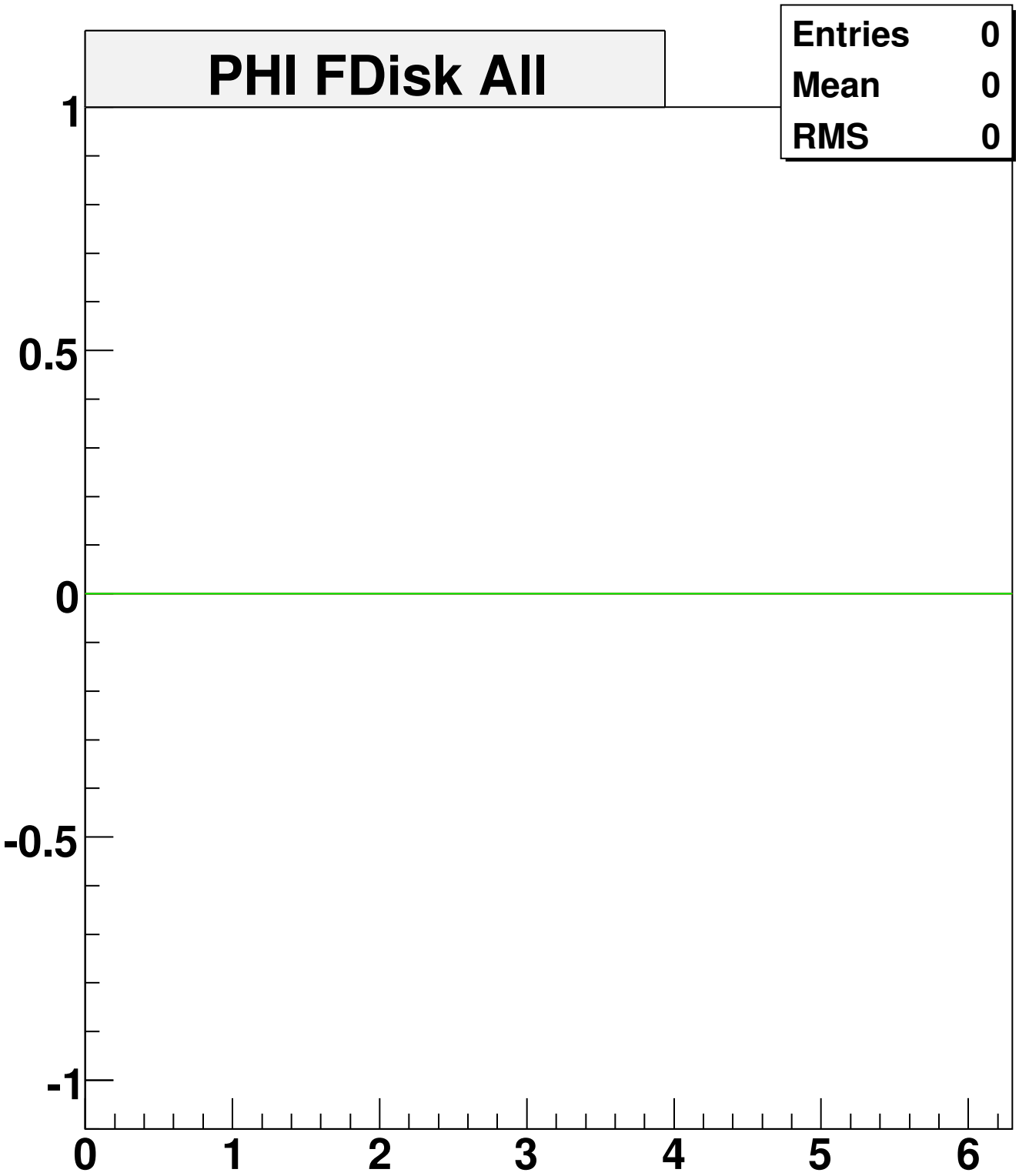


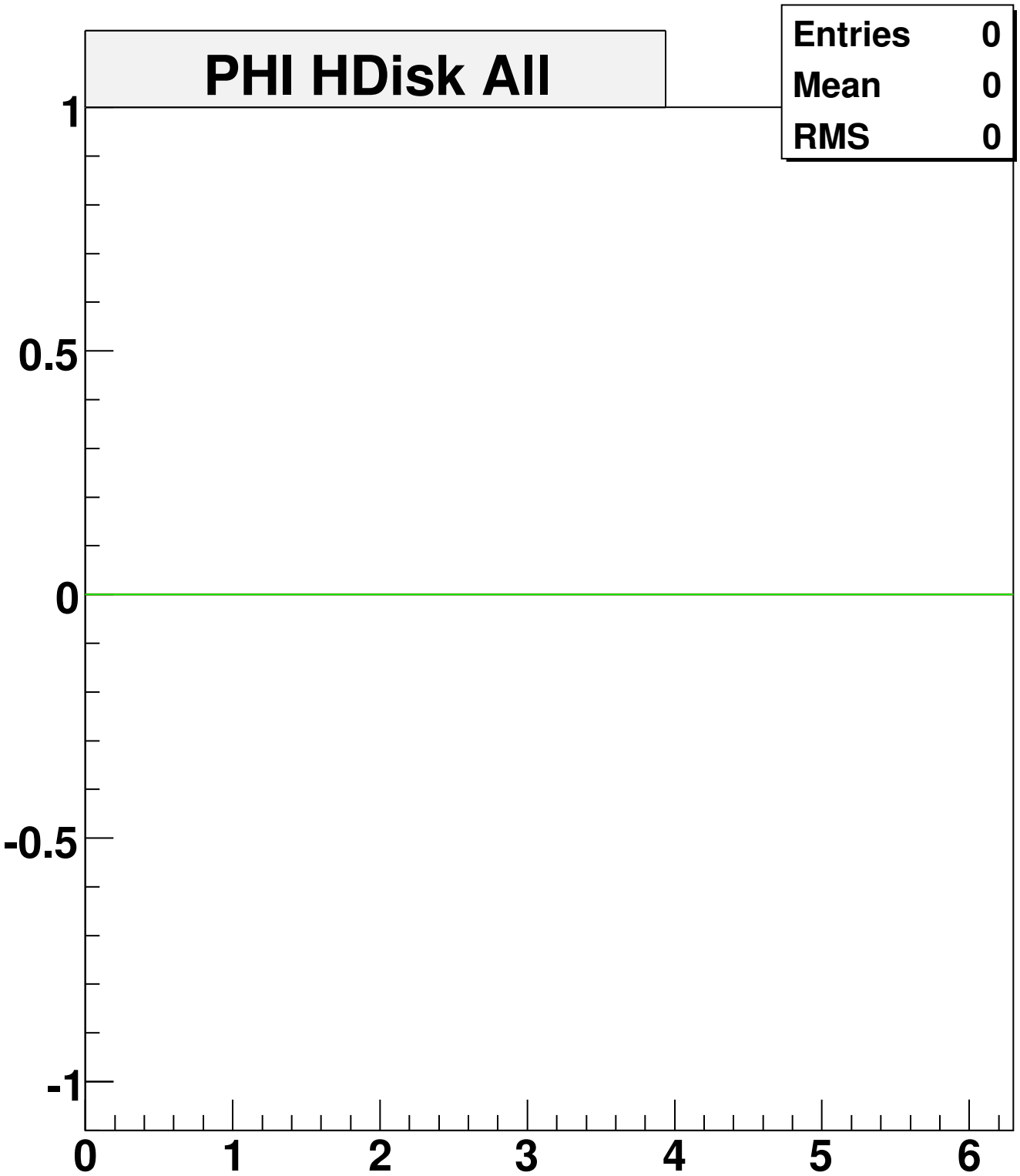




CPS Clusters (All Clusters)


PHI
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
1
2
3
4
5
6
SmtClusters (allBarClusters)


PHI FDisk All
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)


PHI HDisk All
Entries 0
Mean 0
RMS 0
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0
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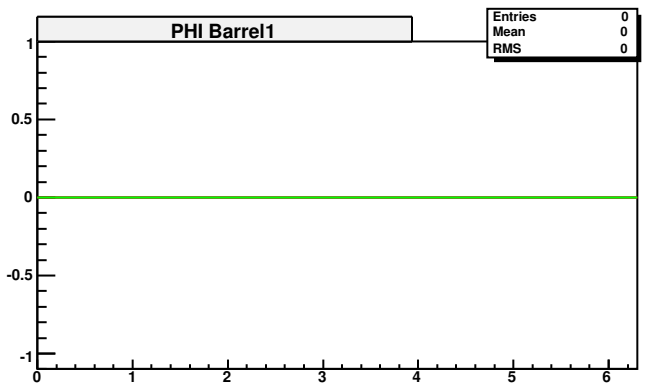
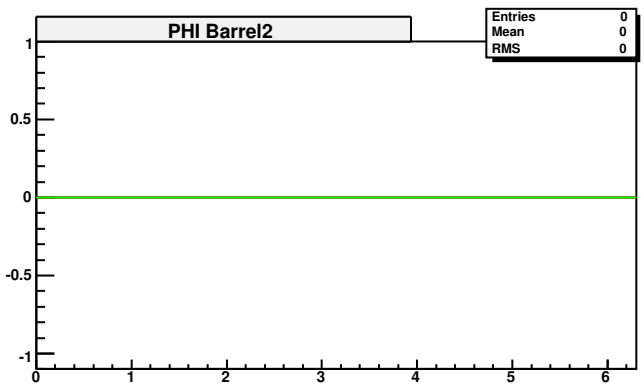
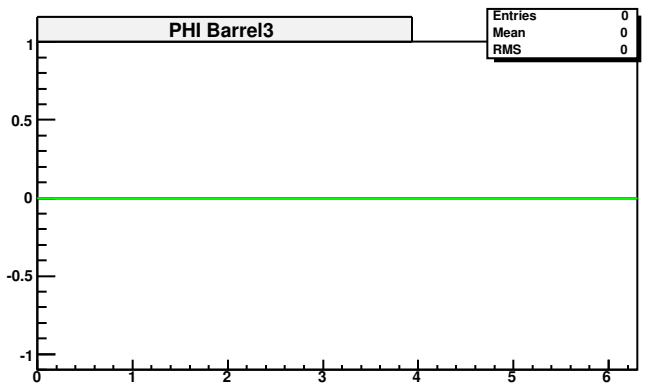
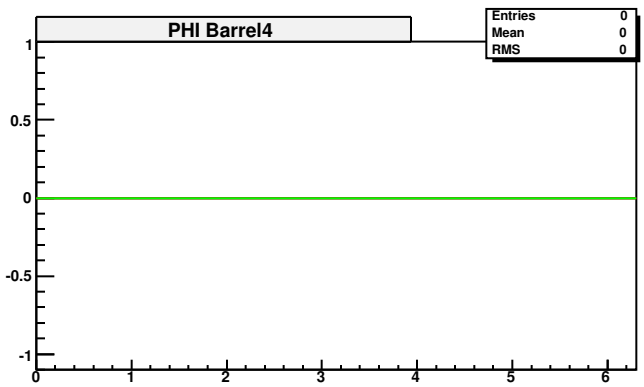
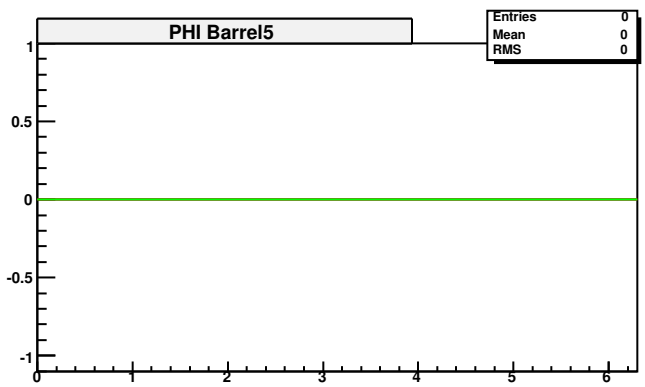
-1
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

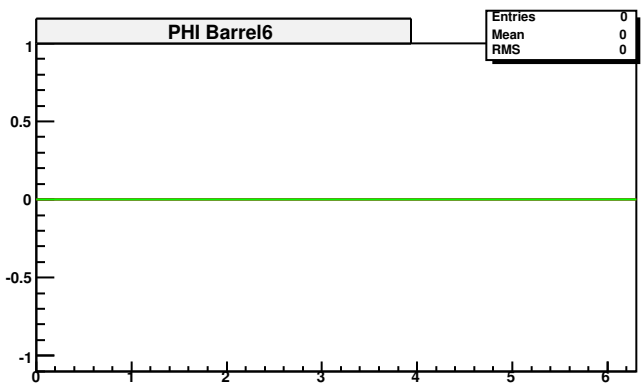


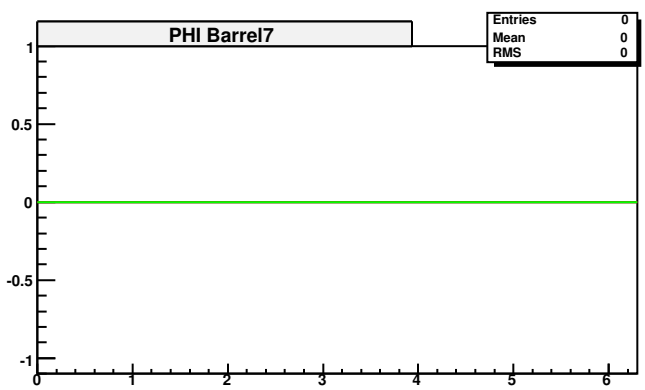


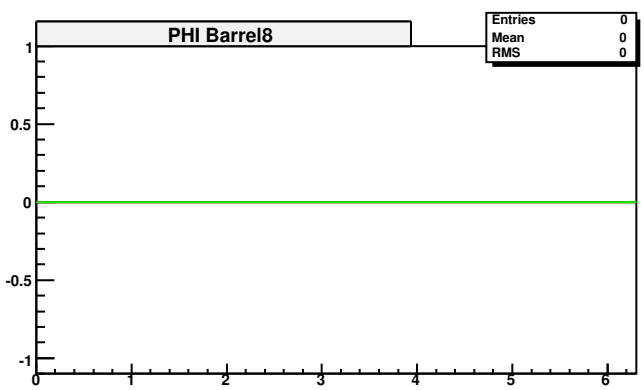




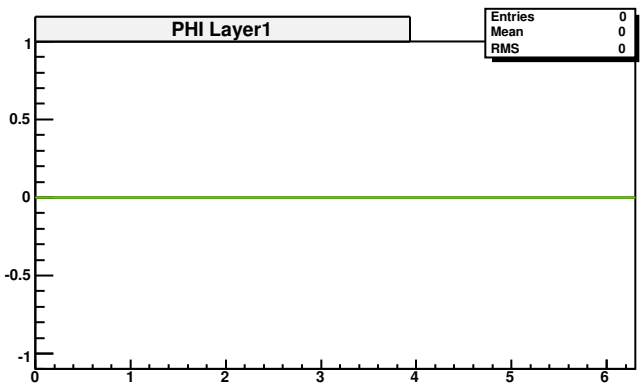


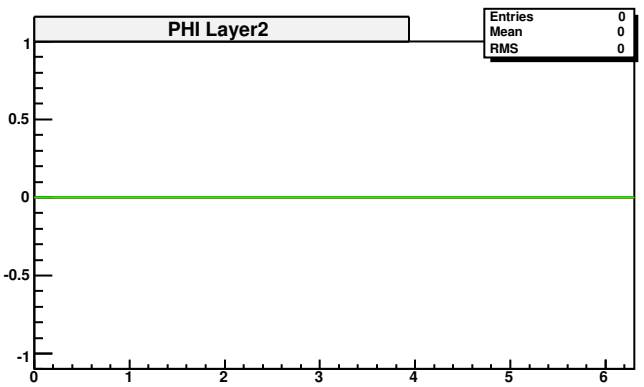


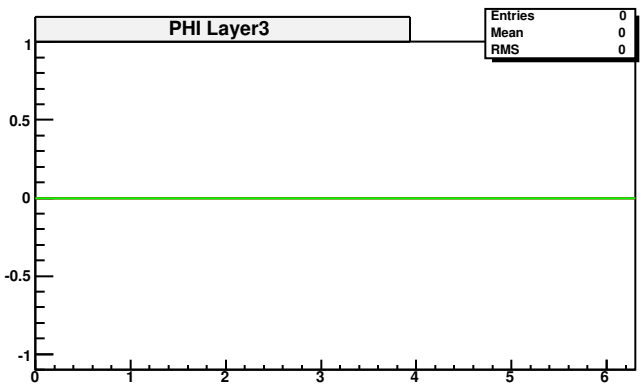


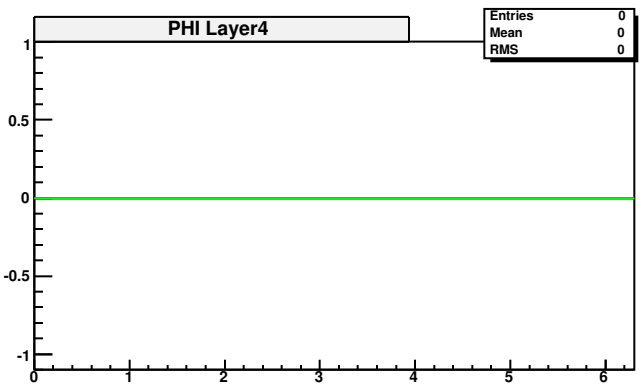


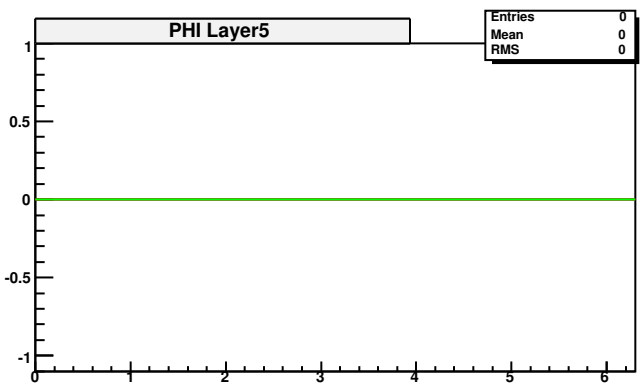
SmtClusters (ClustrLayer0)

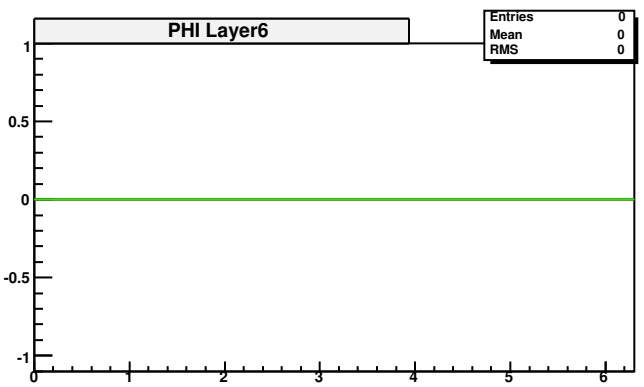


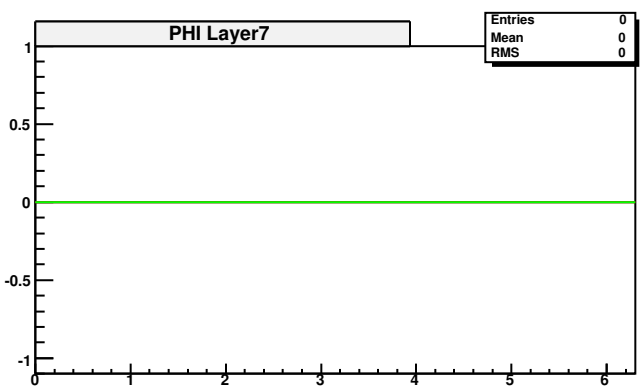


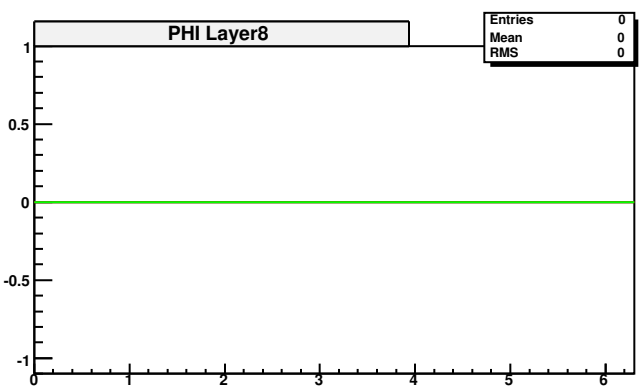




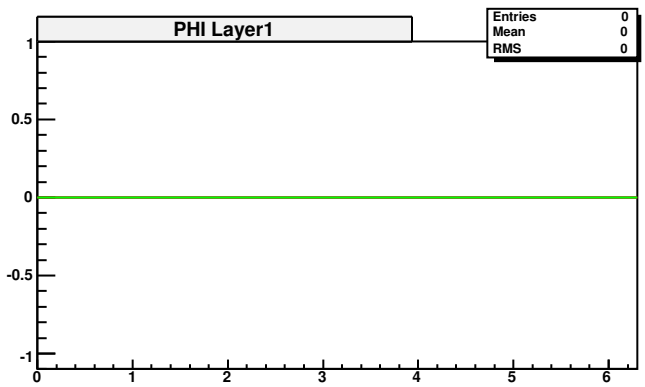


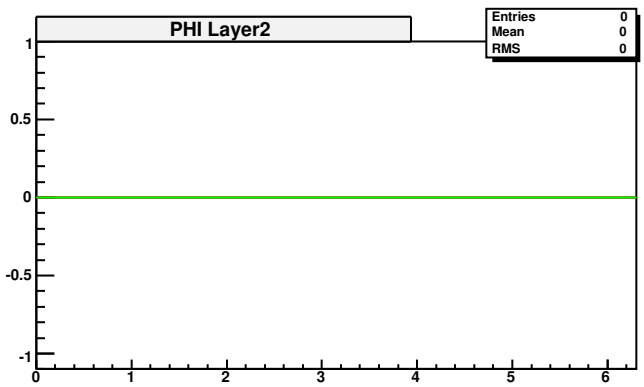


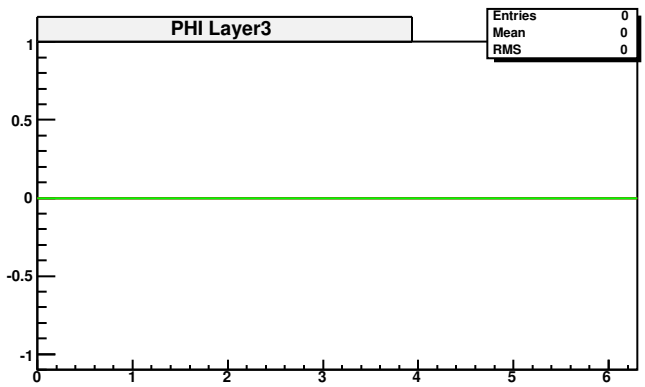


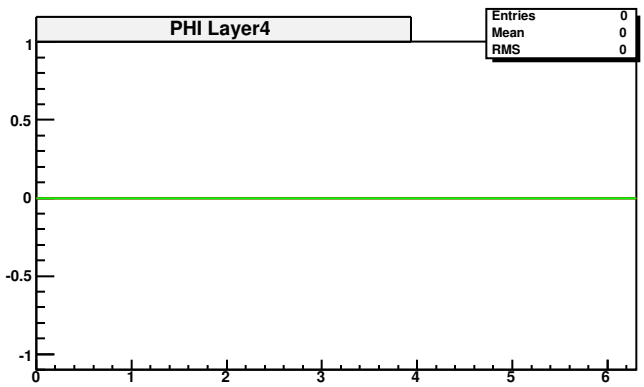


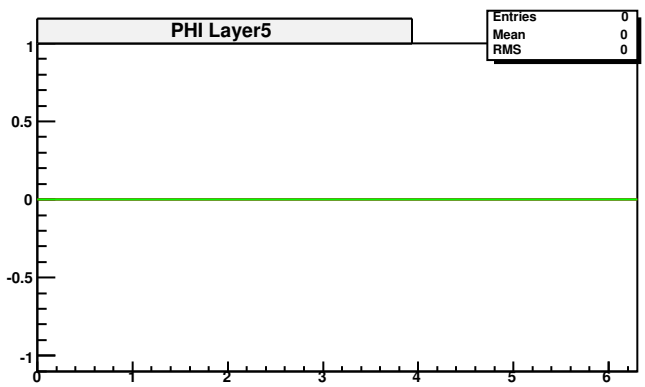
SmtClusters (ClustrBar1)

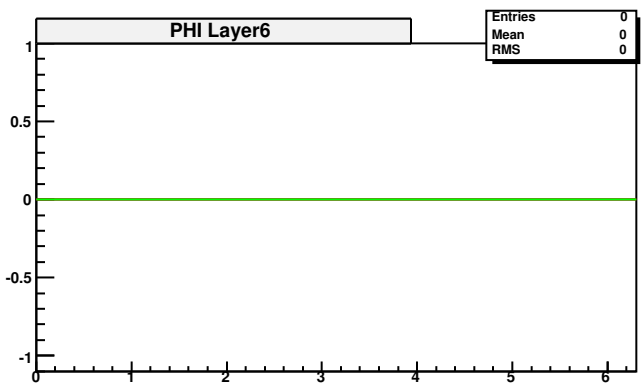


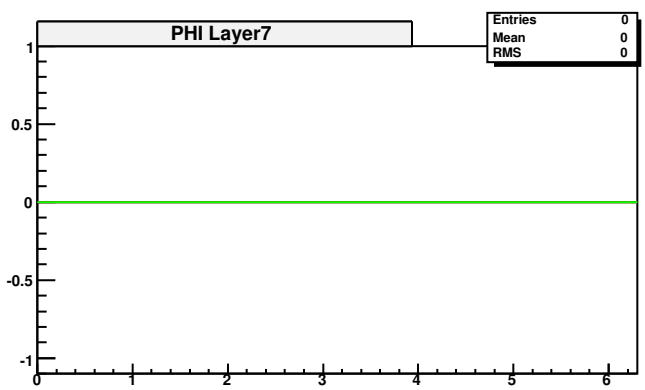


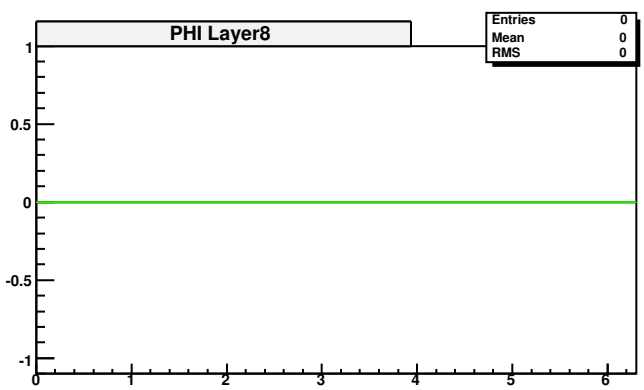




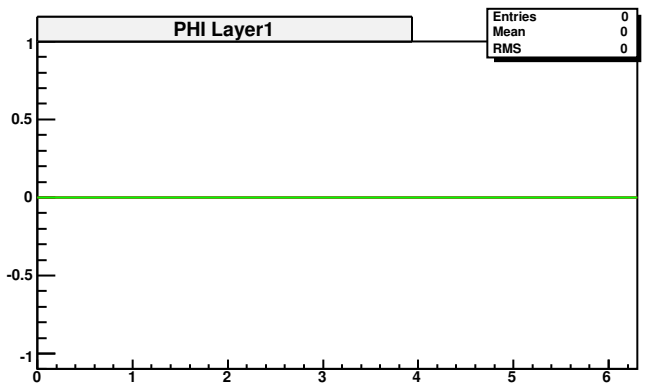


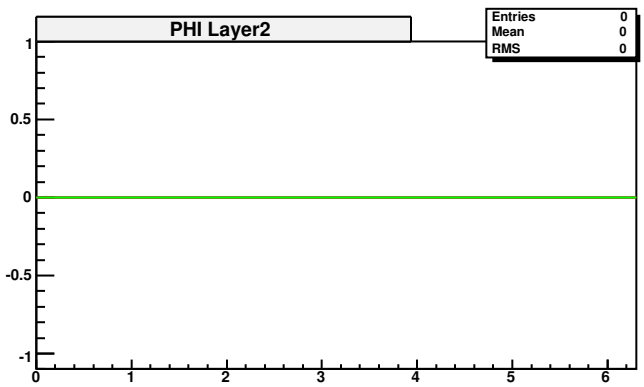


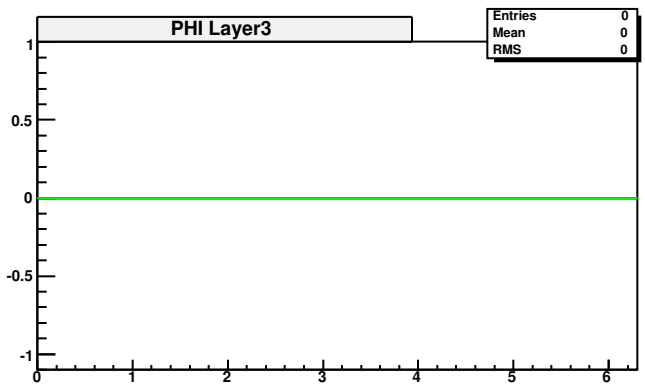


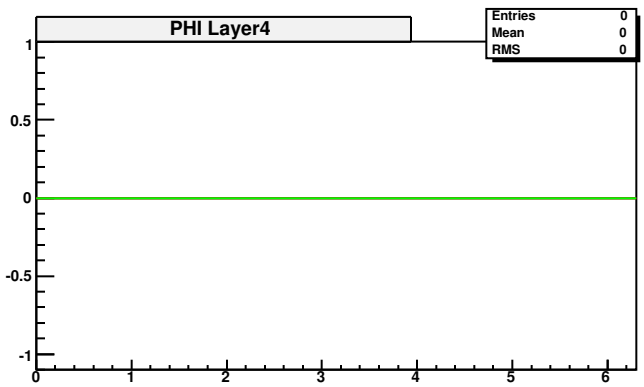


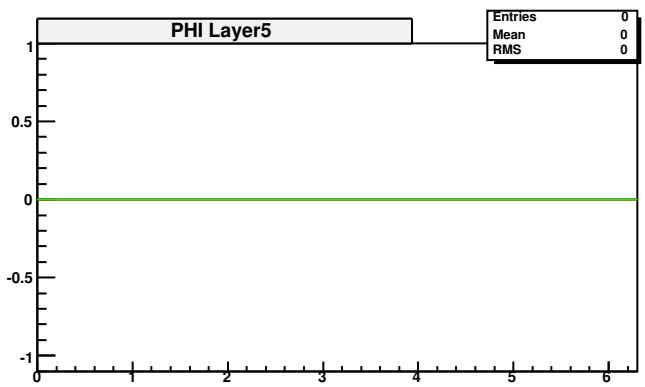
SmtClusters (ClustrBar2)

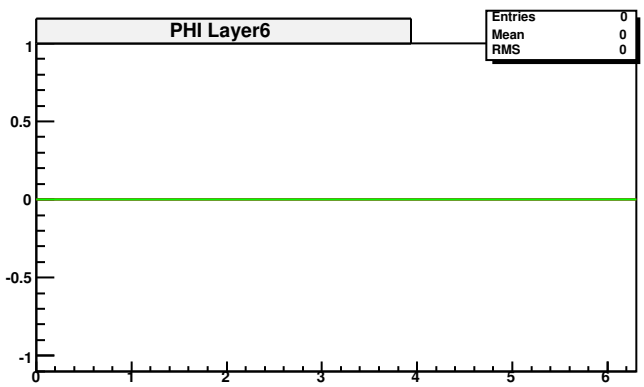


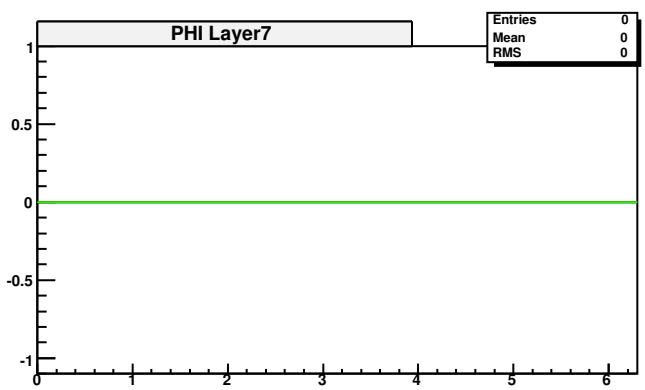


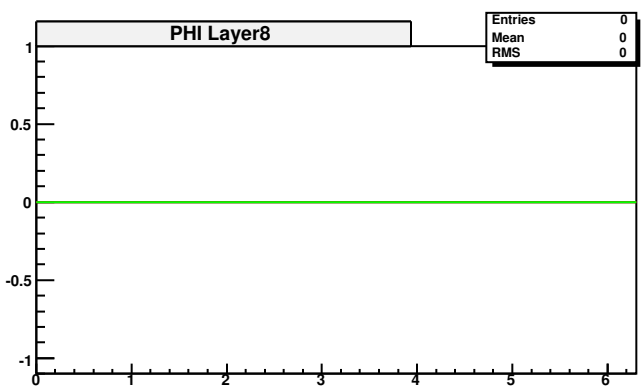




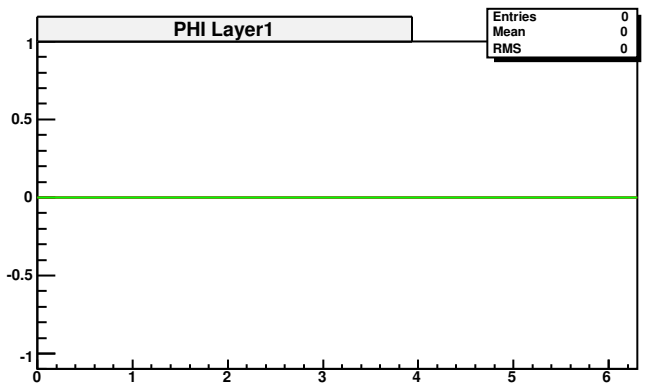


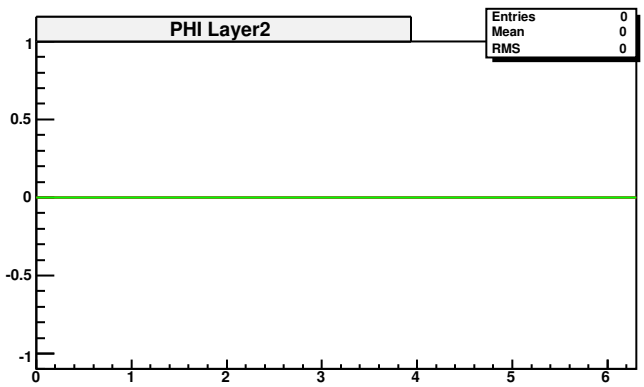


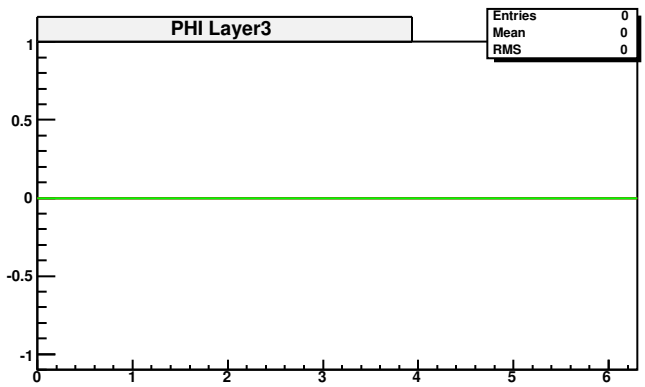


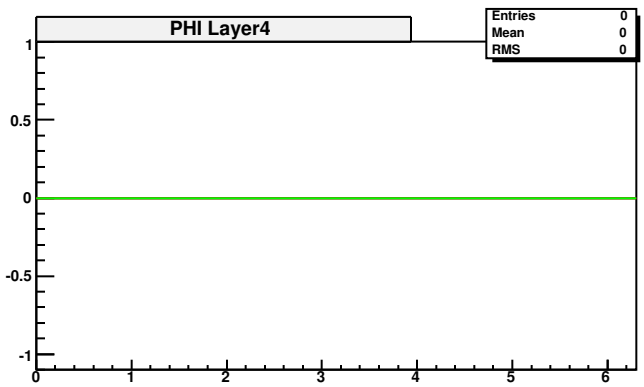


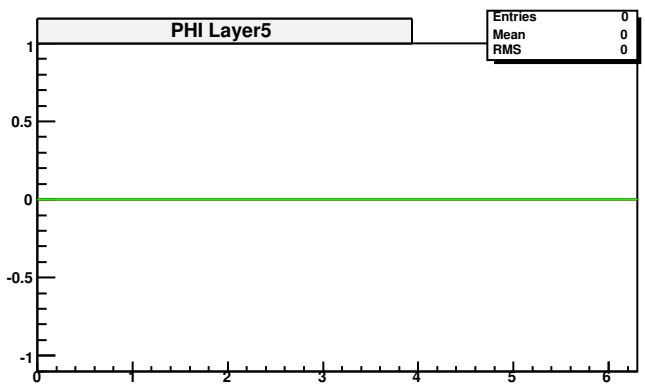
SmtClusters (ClustrBar3)

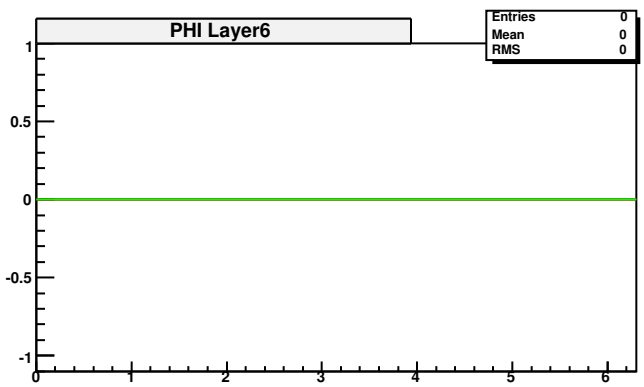


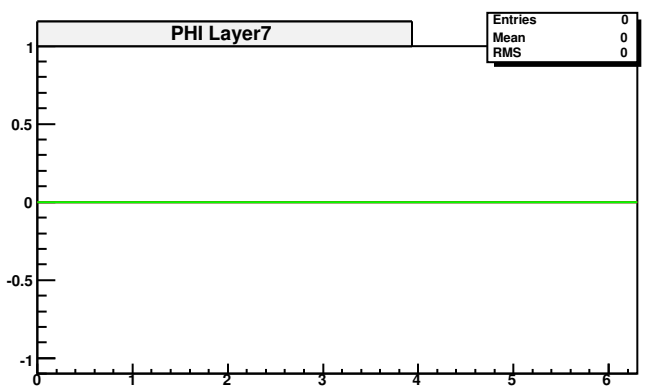


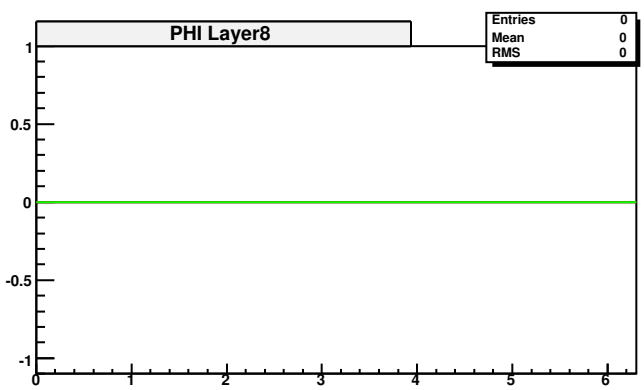




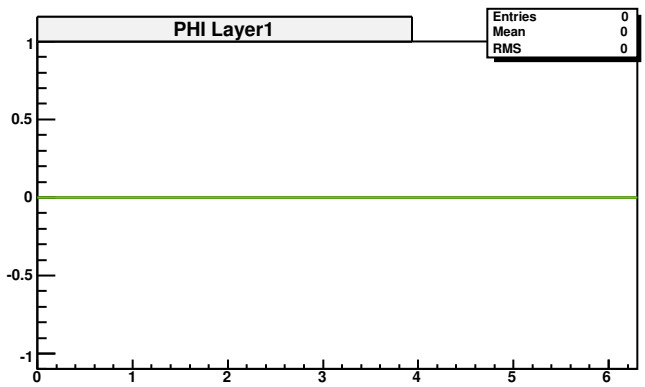


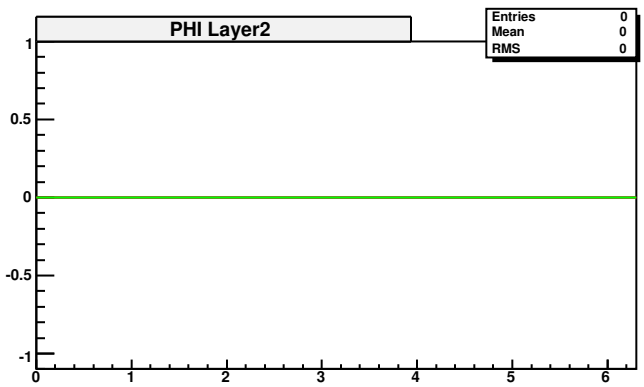


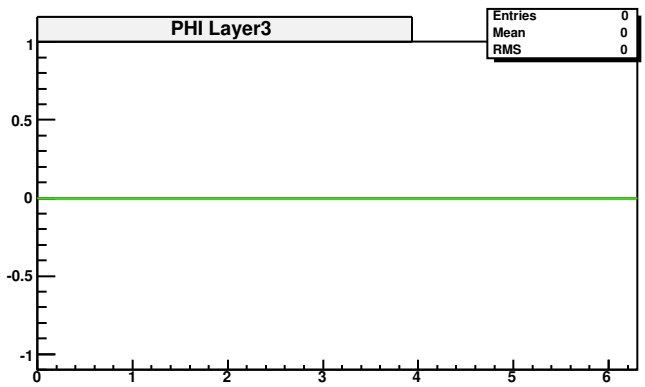


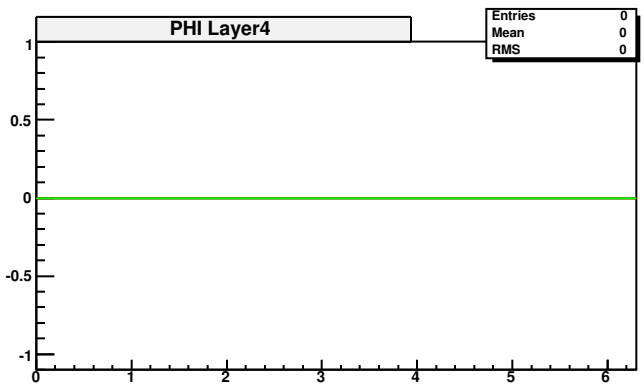


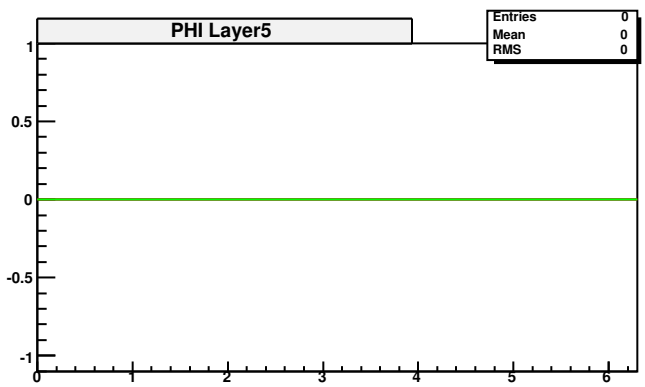
SmtClusters (ClustrBar4)

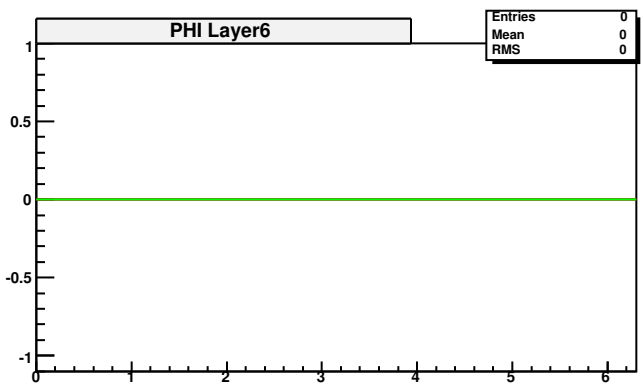


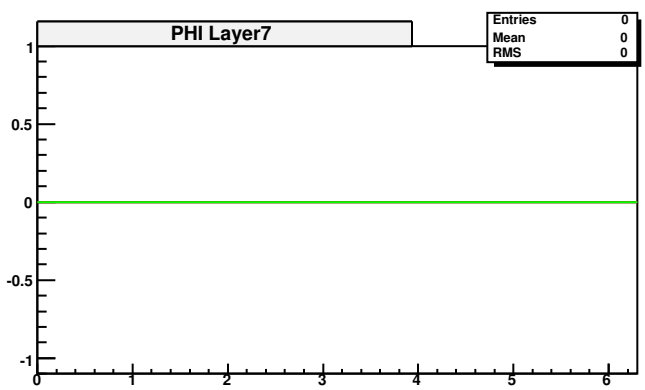


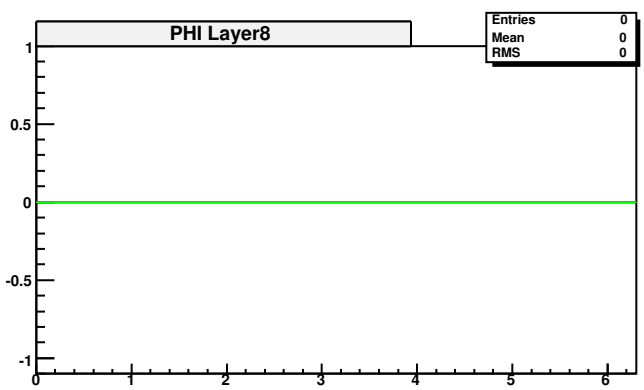




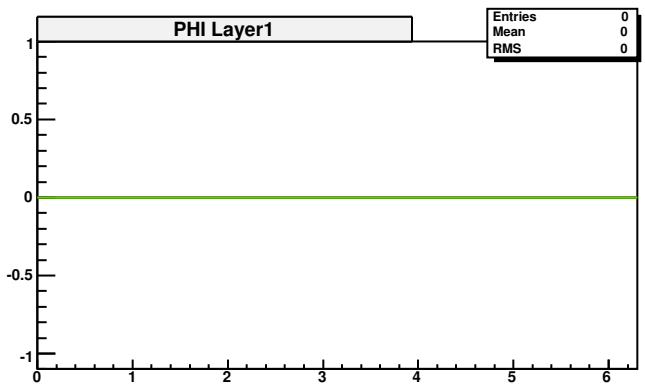


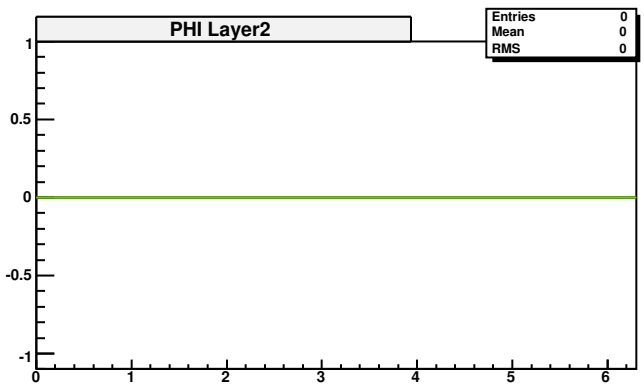


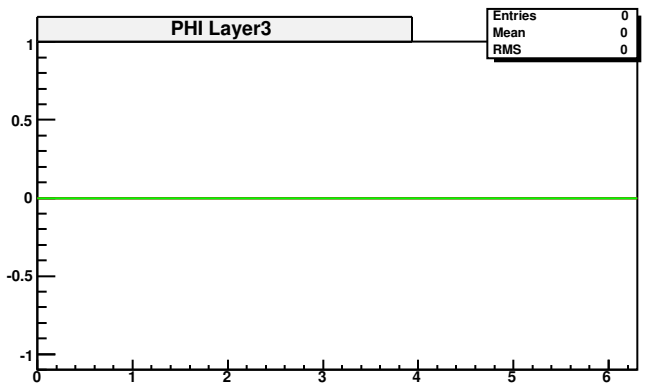


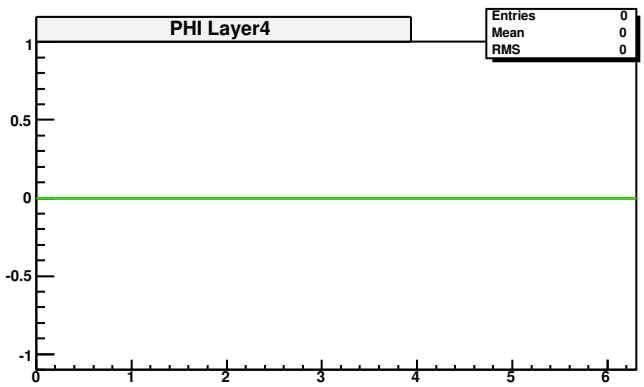


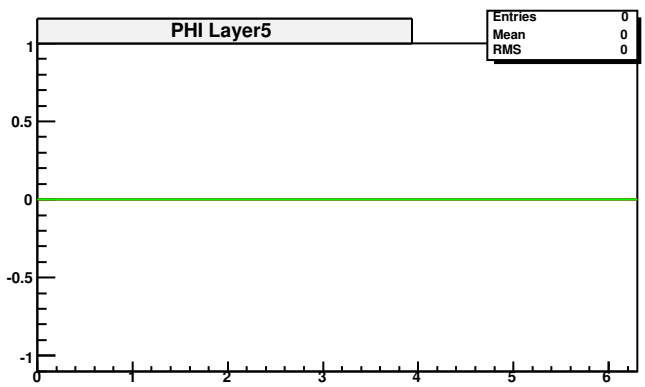
SmtClusters (ClustrBar5)

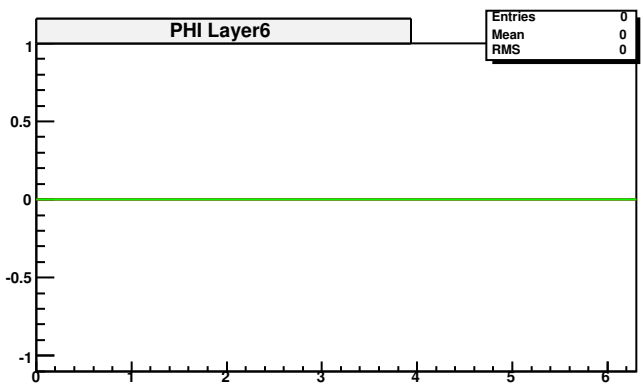


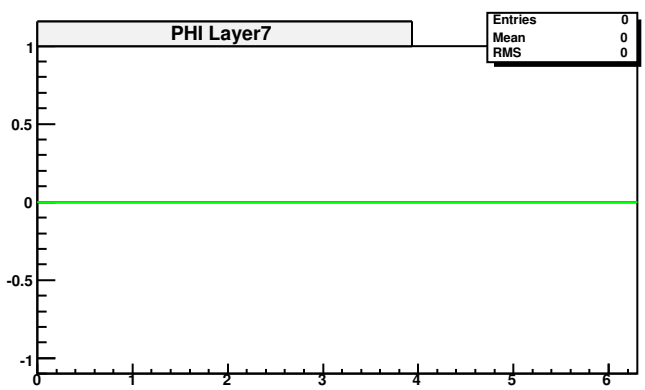


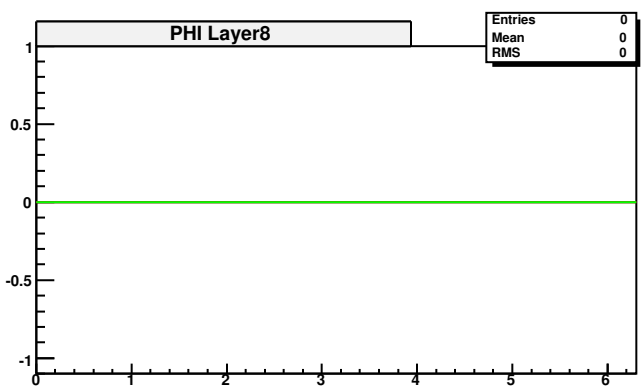




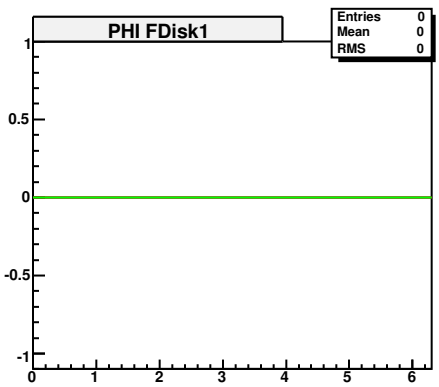


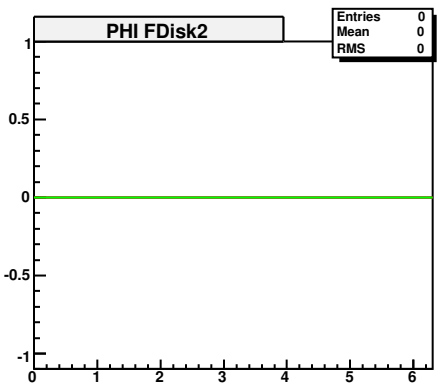


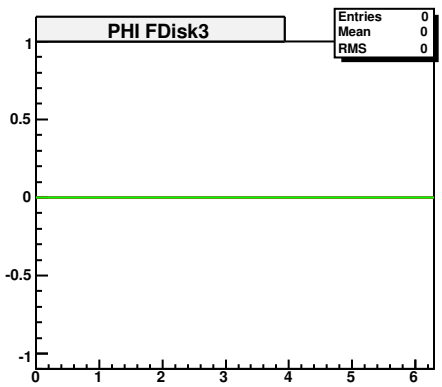


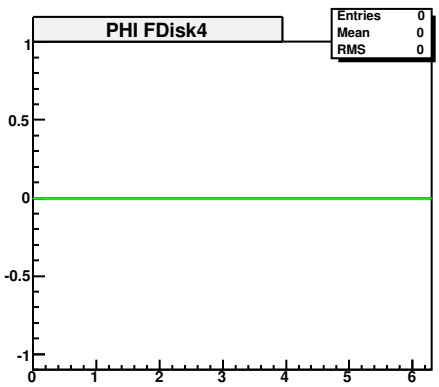


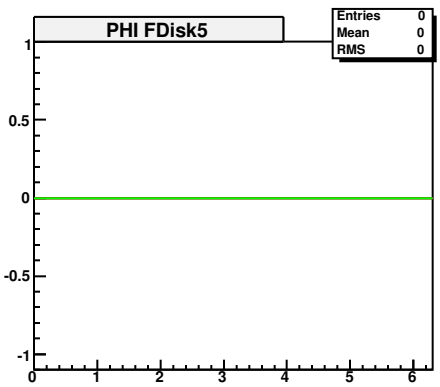
SmtClusters (ClustrBar6)

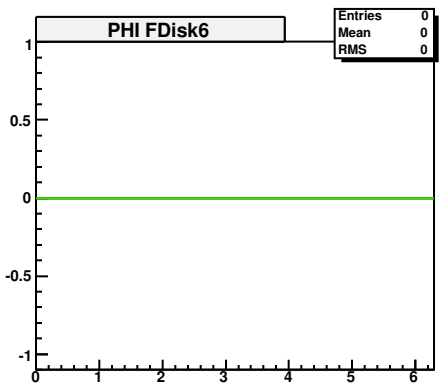


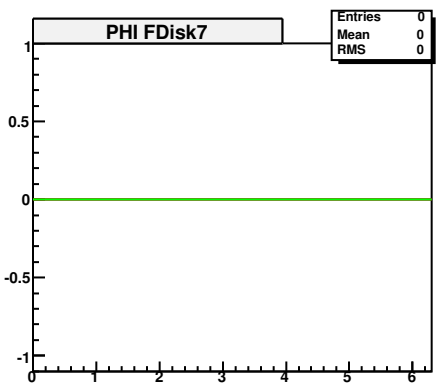


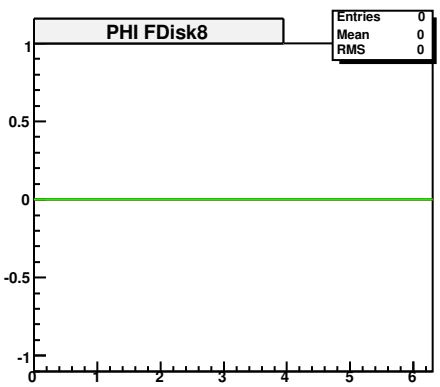


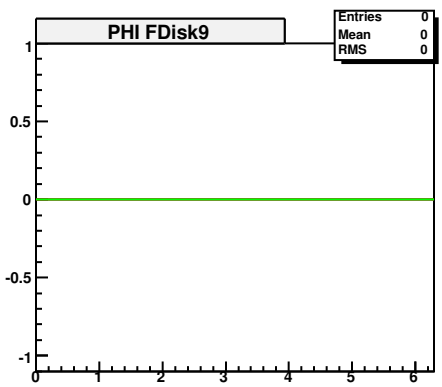


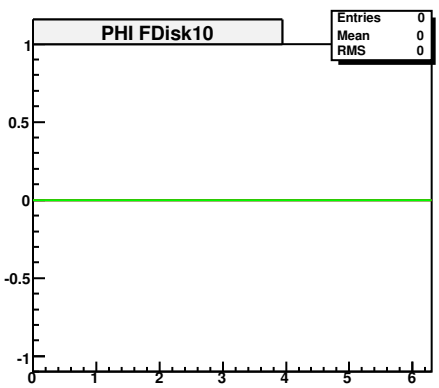


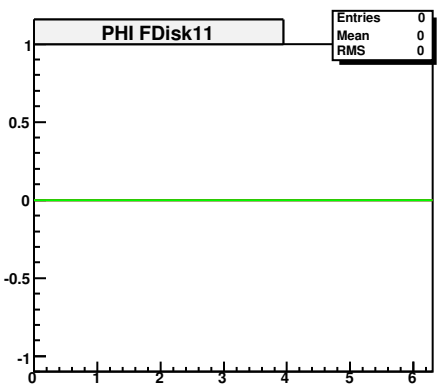


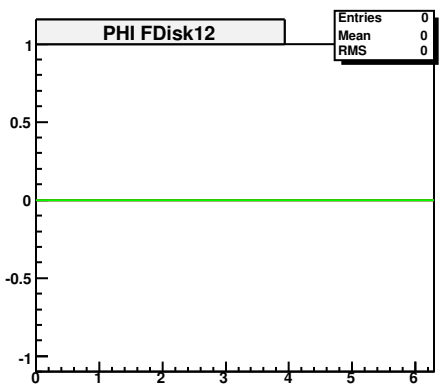




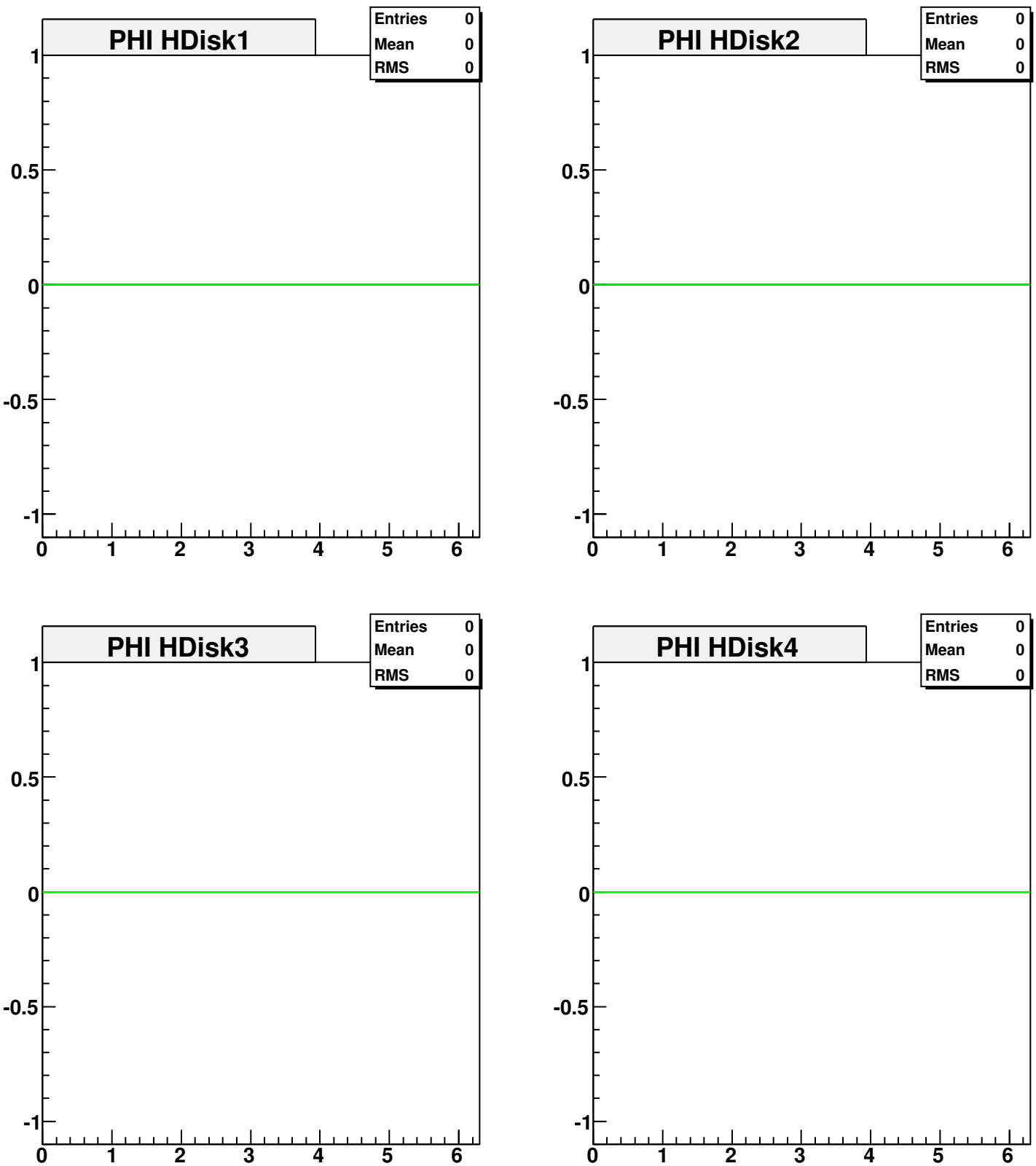




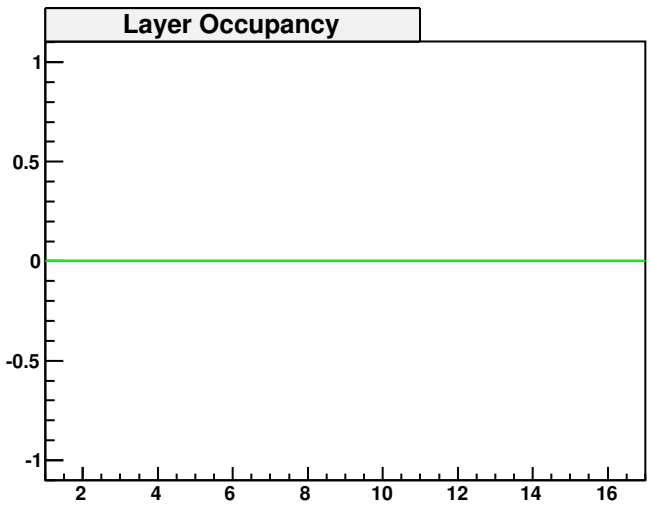


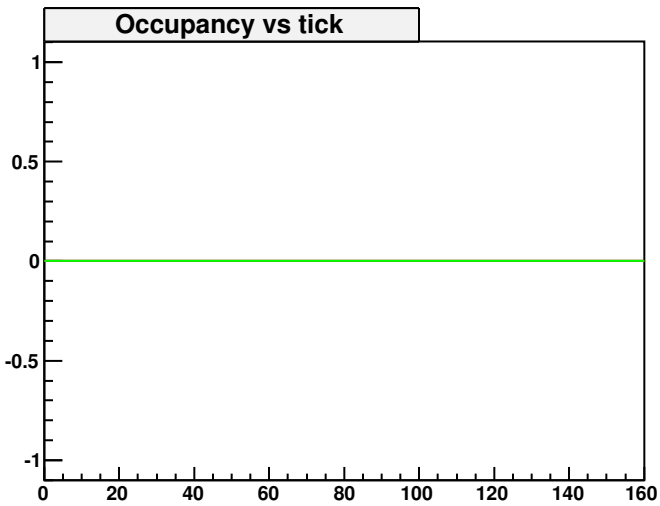


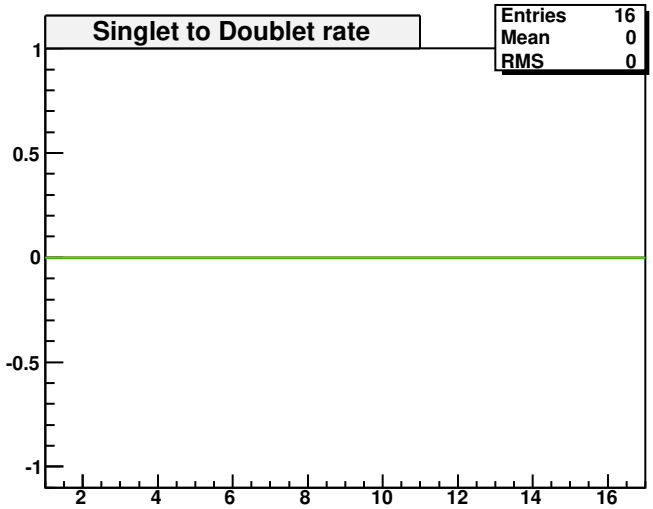
SmtClusters (FDiskClusters)

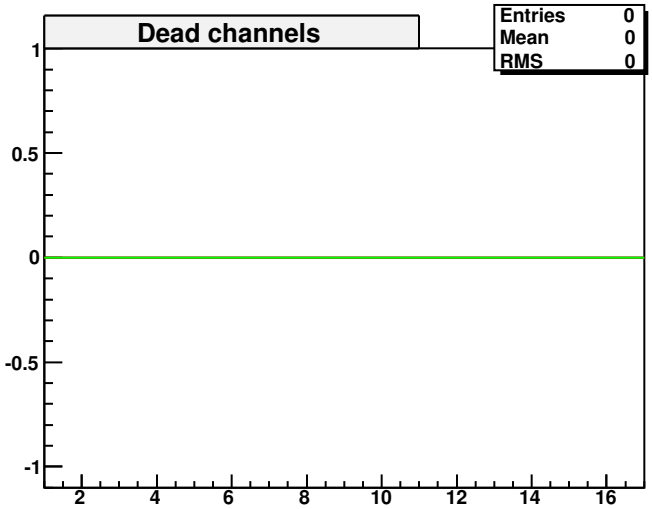


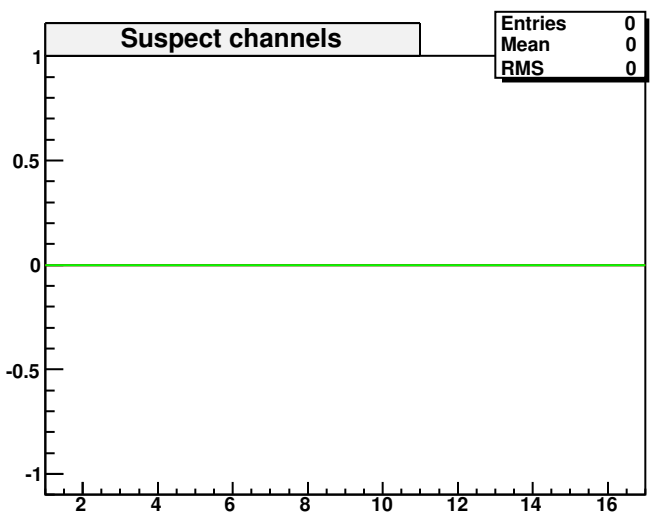
SmtClusters (HDiskClusters)

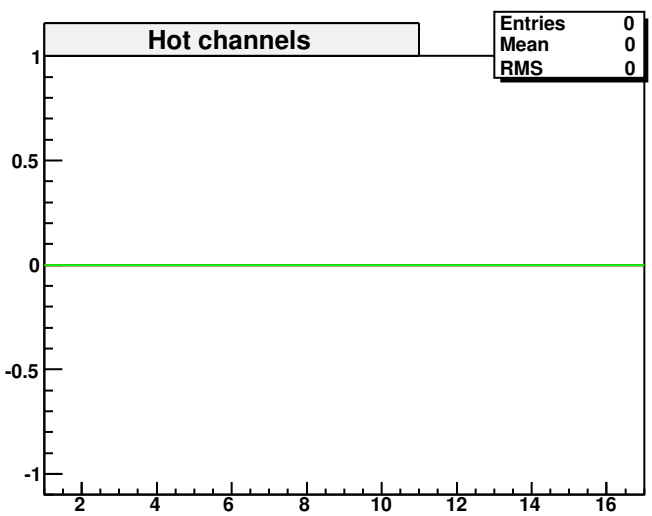




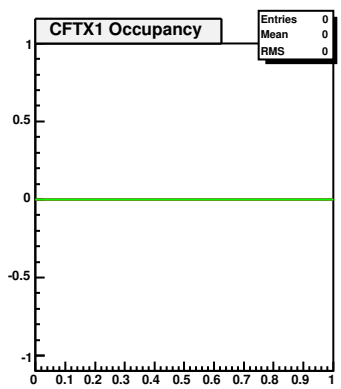


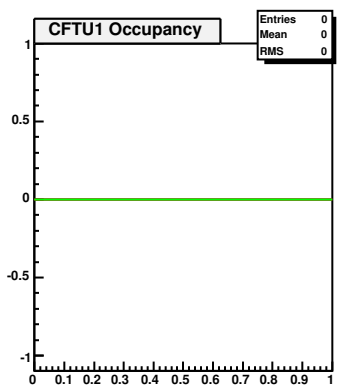


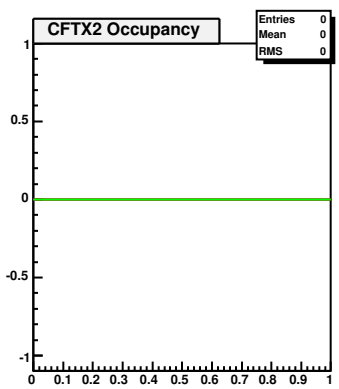


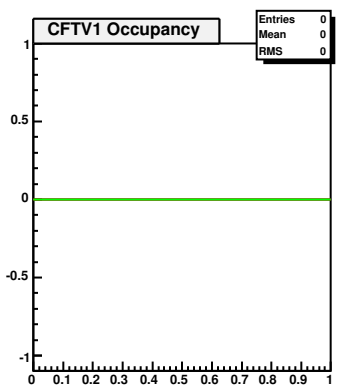


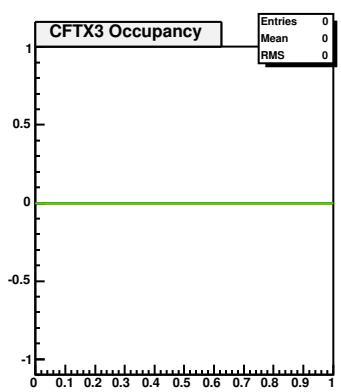
CFT Summary (All Clusters)

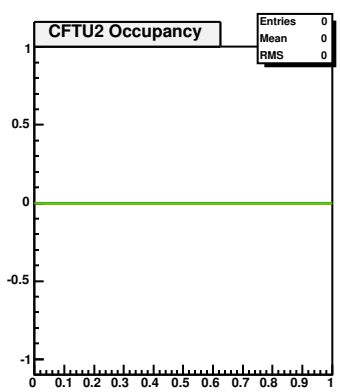


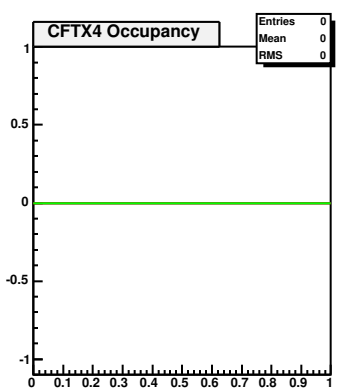


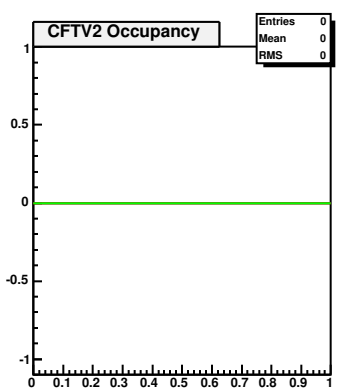


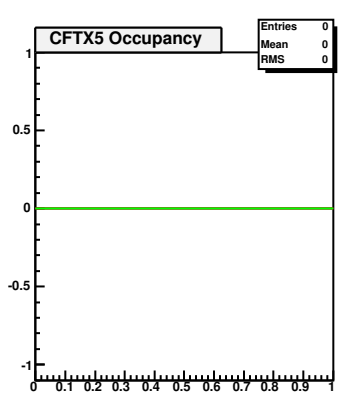


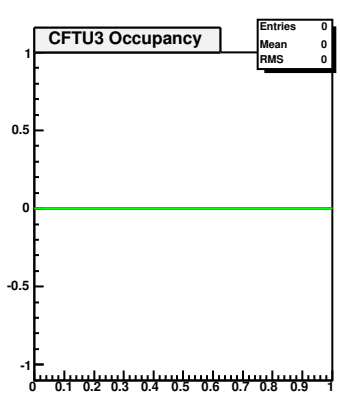


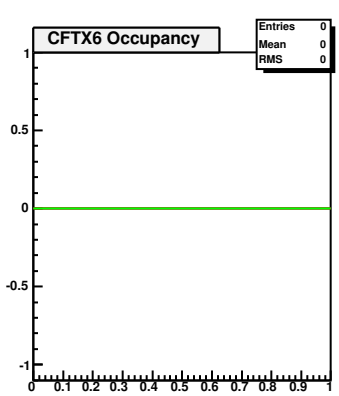


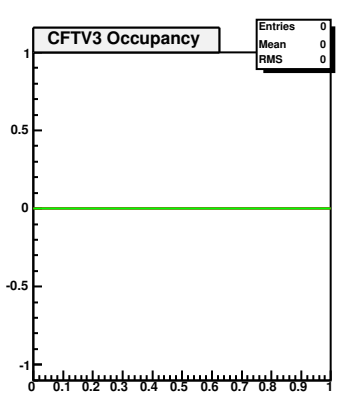


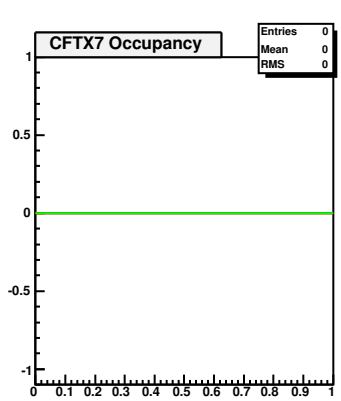


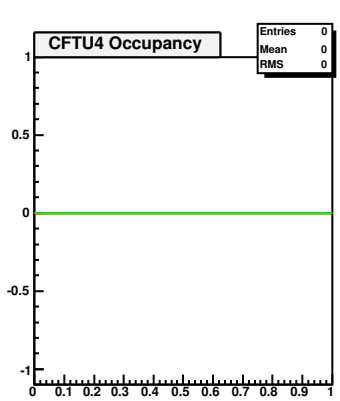


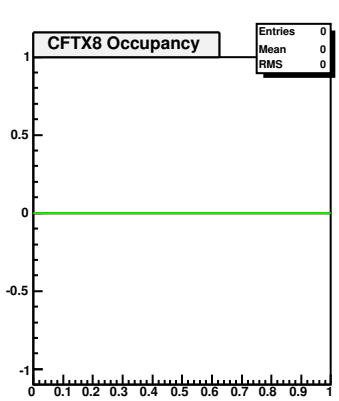


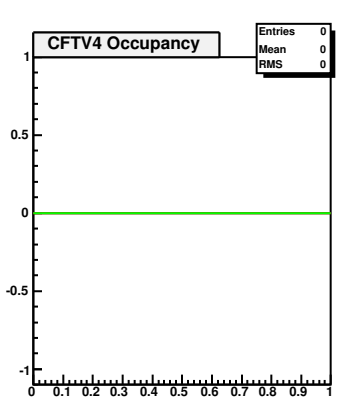




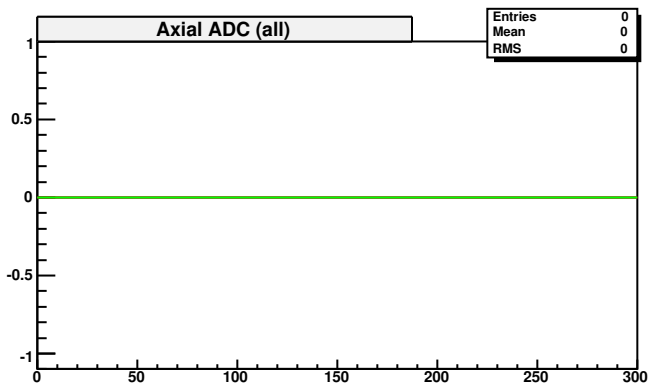


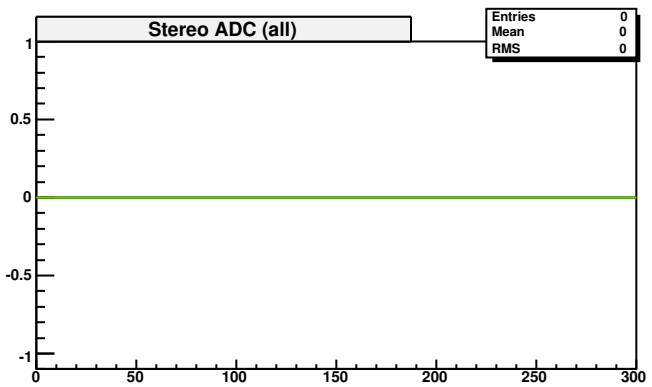


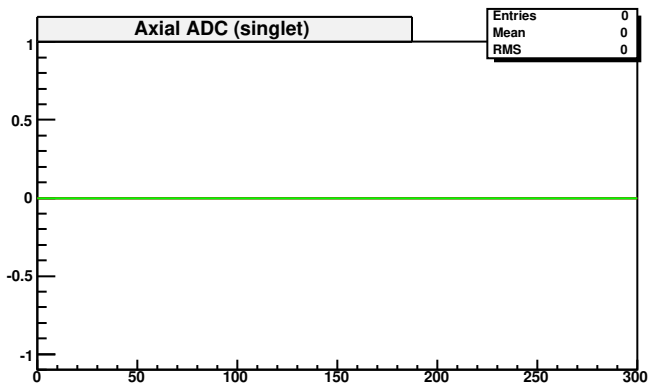


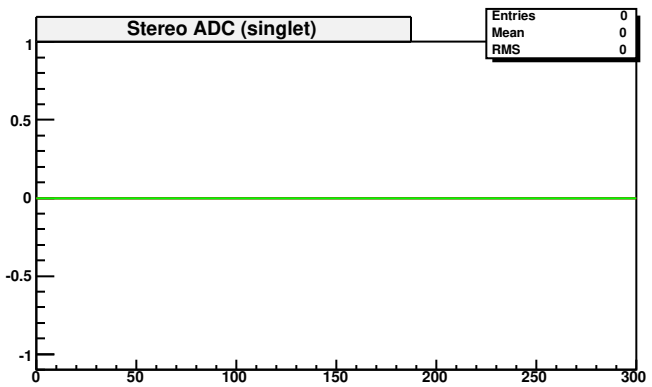


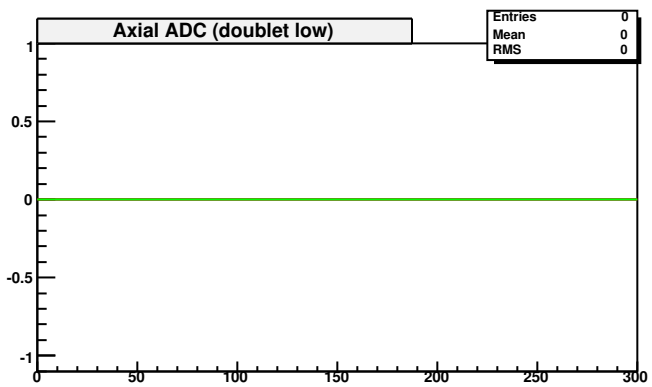
CFT Occupancy (All Clusters)

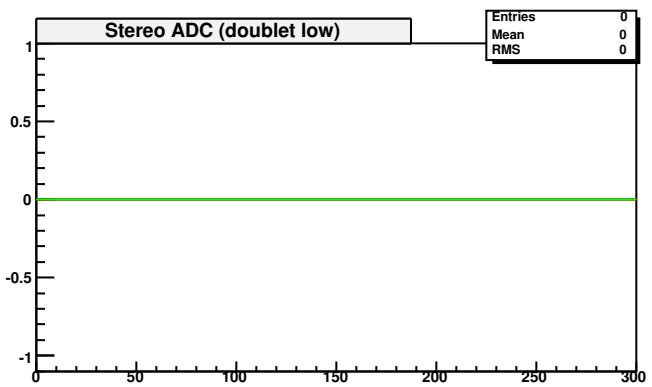


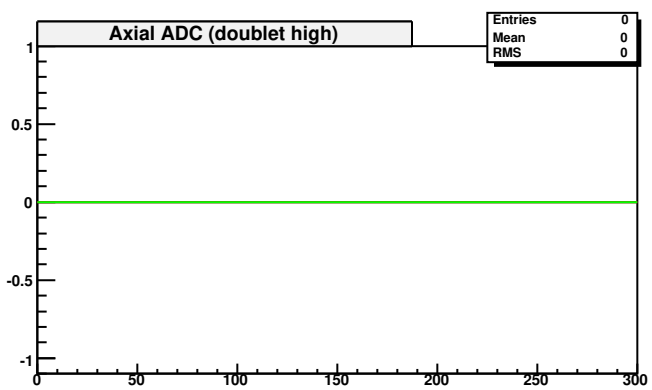


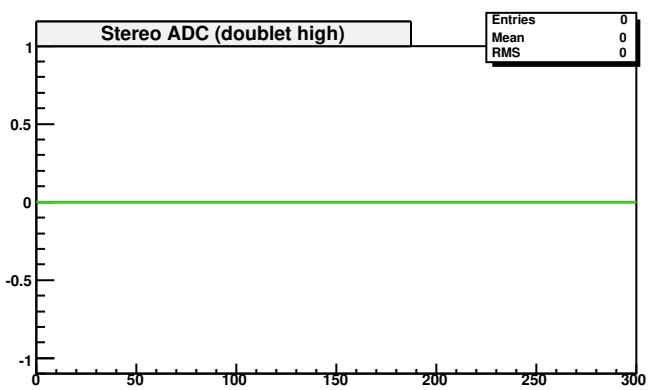




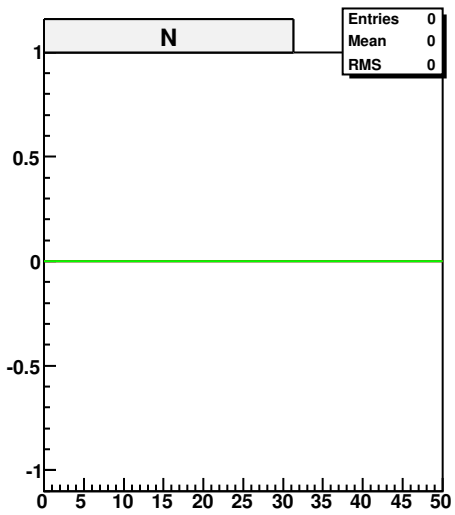








CFT ADC Summary (All Clusters)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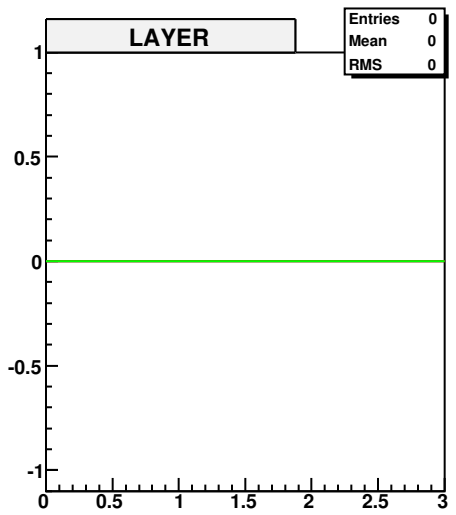
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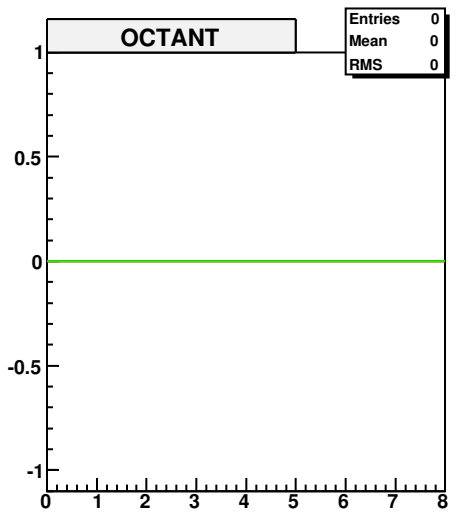
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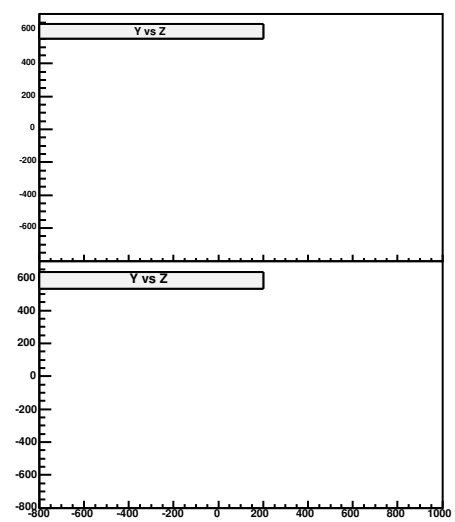
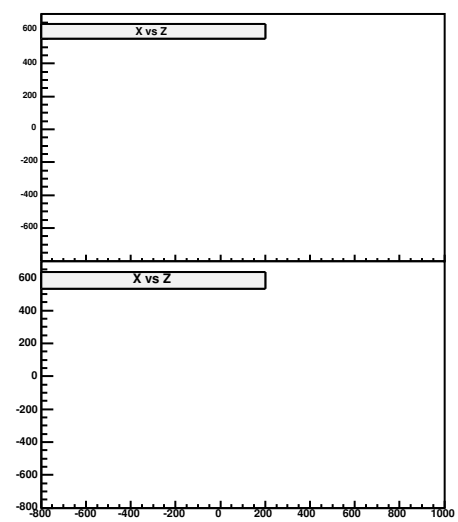

Y vs Z
Y vs Z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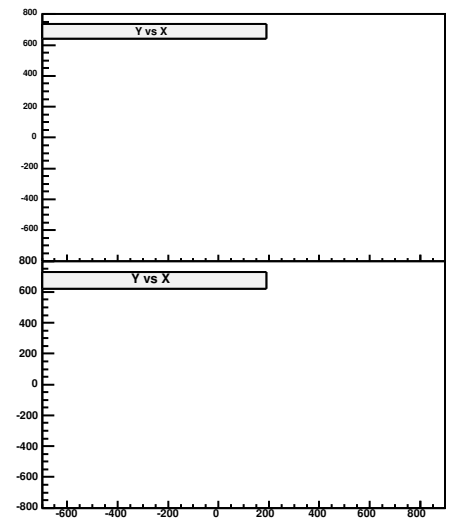
X vs Z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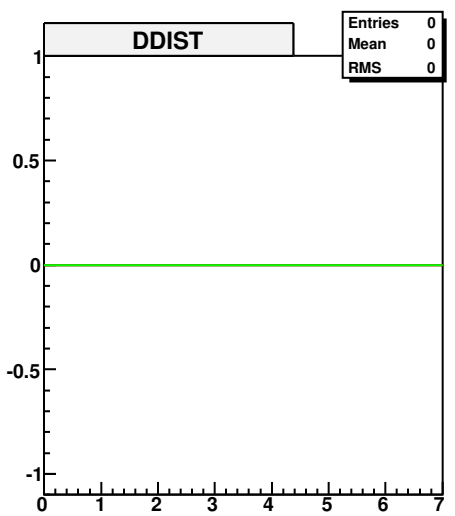
Y vs X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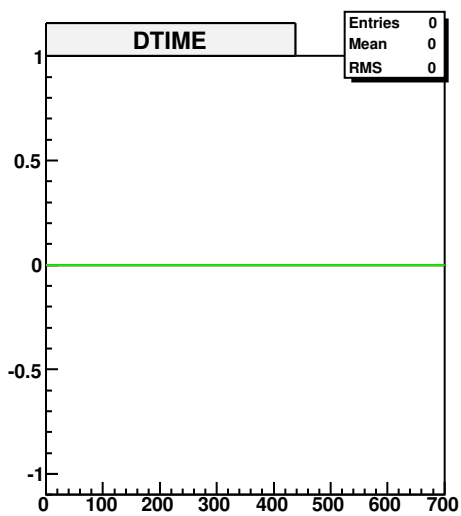
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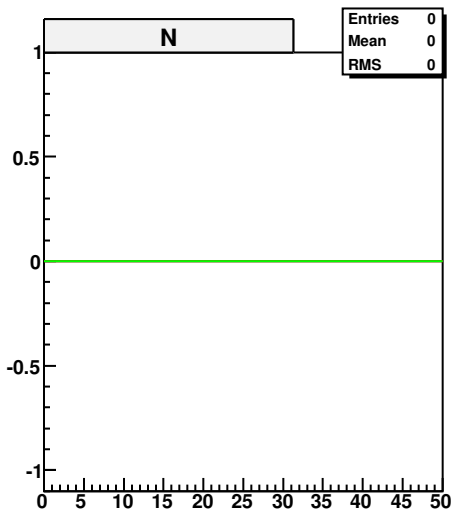
MuonPDT (All)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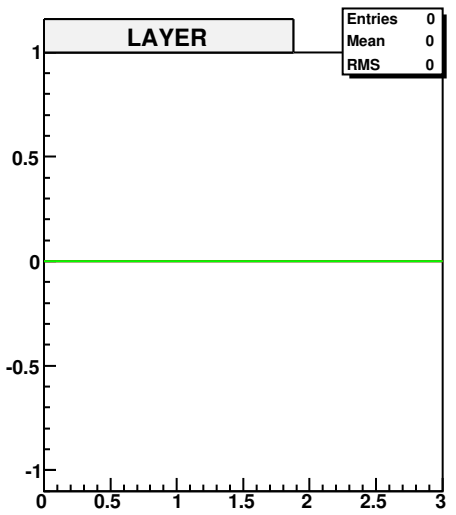
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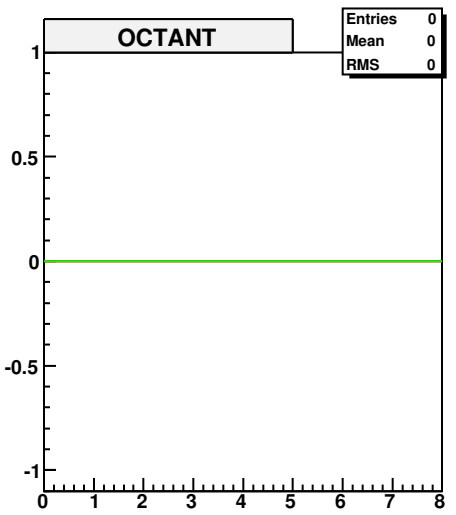
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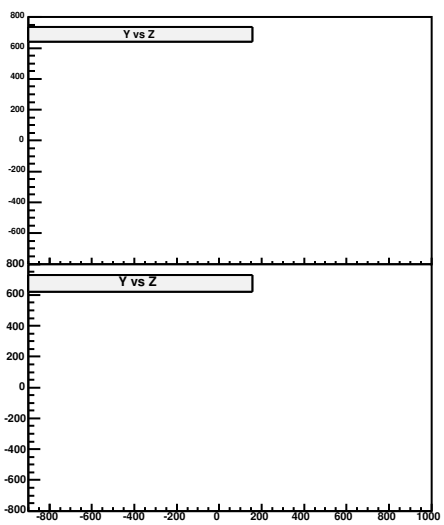
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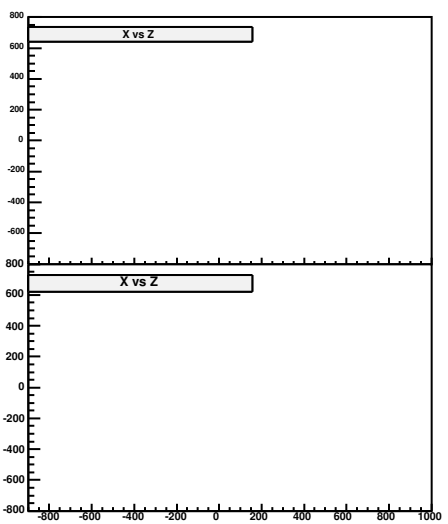
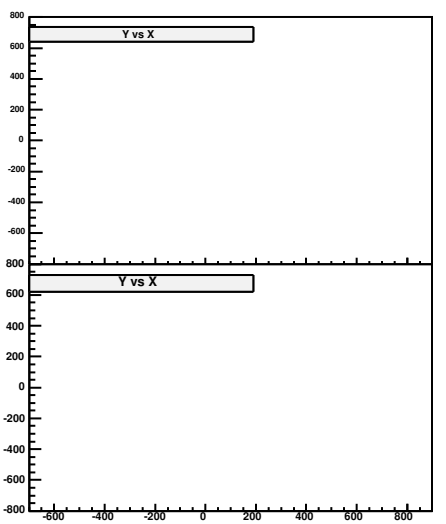
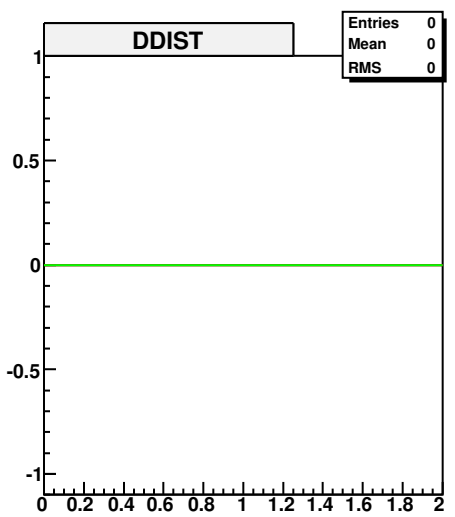
Y vs Z


X vs Z
X vs Z


Y vs X
Y vs X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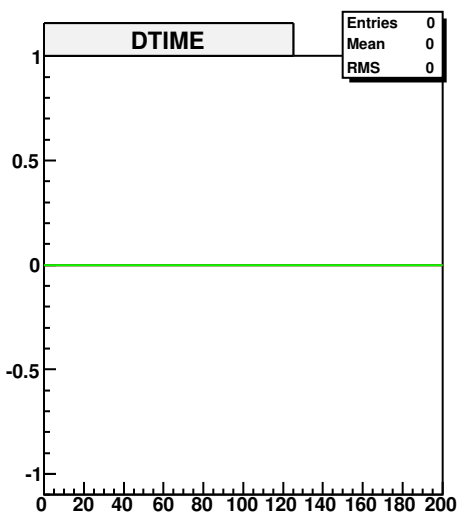
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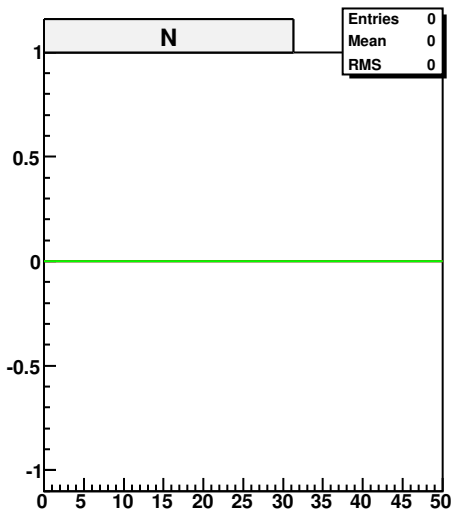
MuonMDT (All)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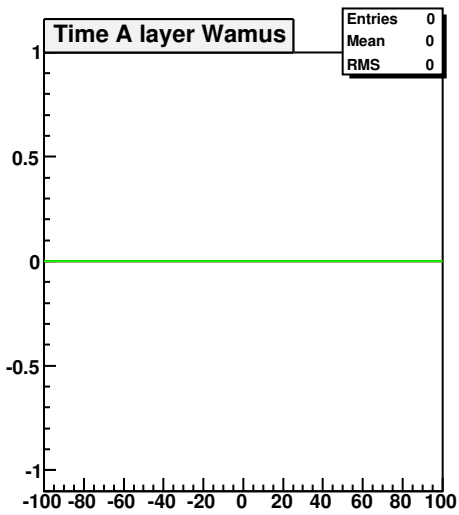
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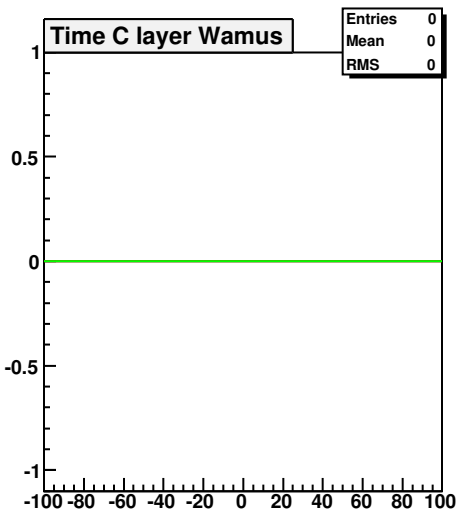
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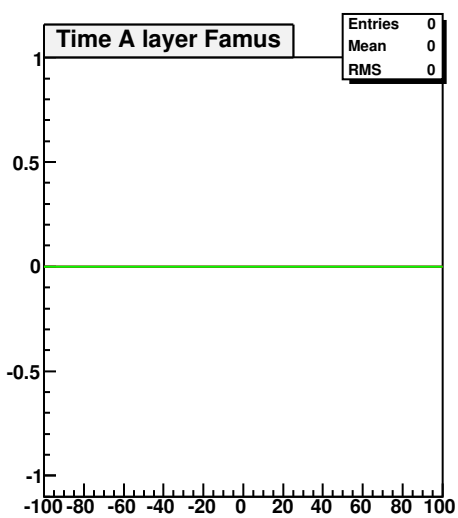
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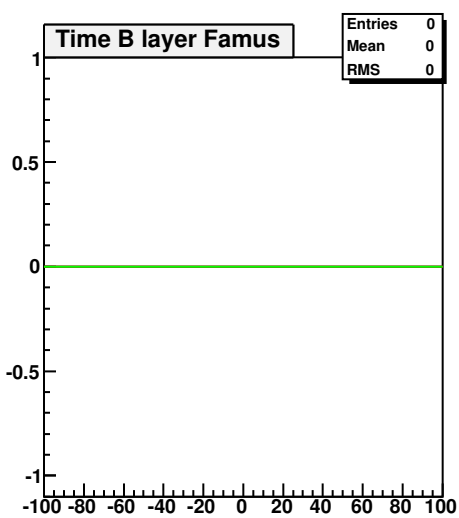
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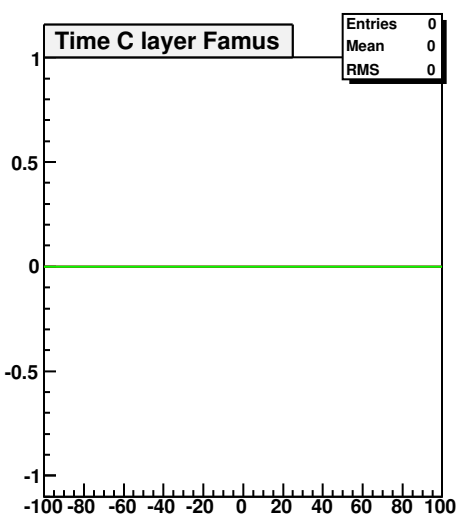
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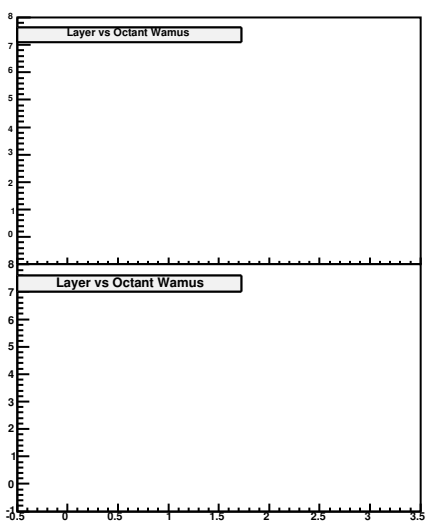
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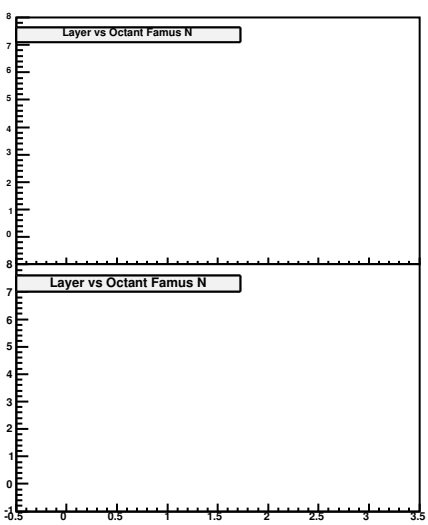
Layer vs Octant Wamus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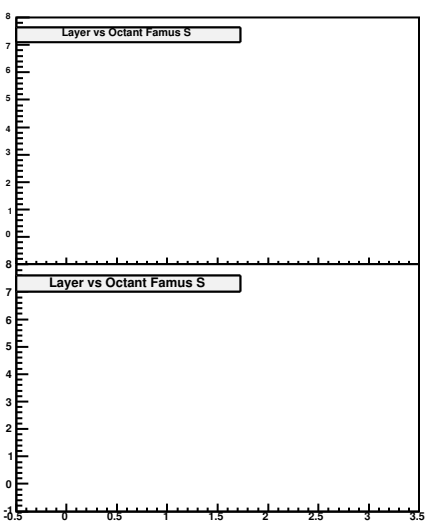
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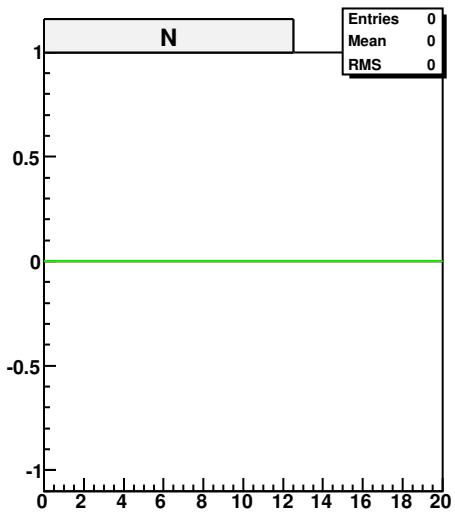
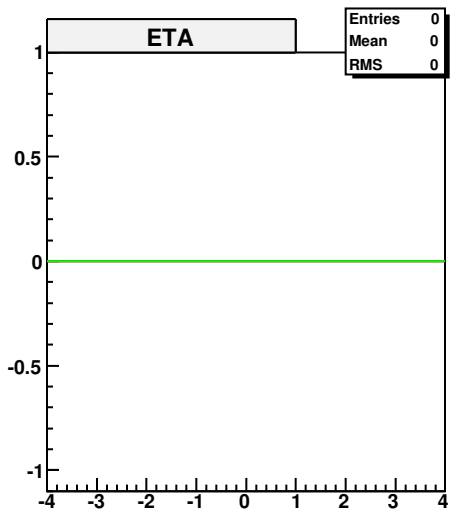
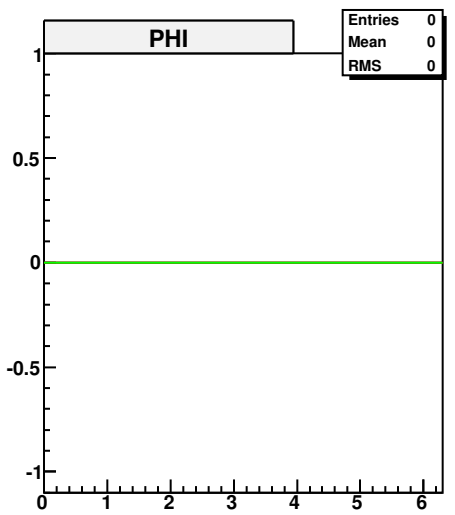
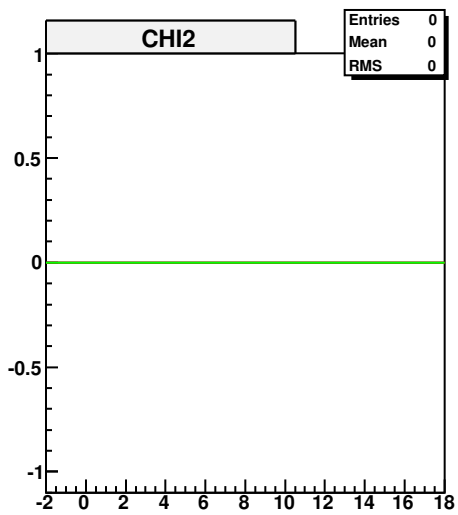
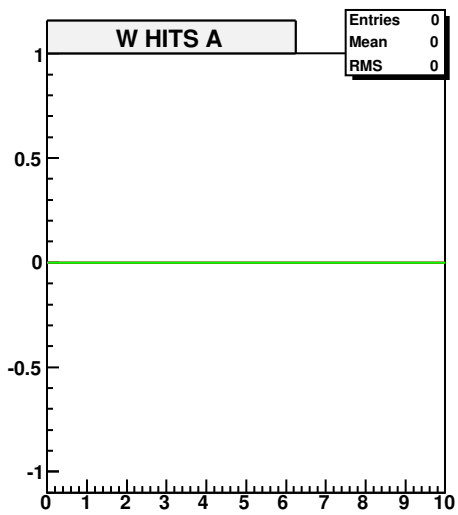
MuonMSC (All)

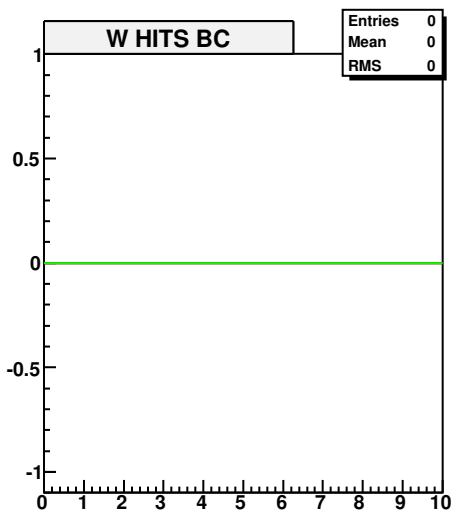


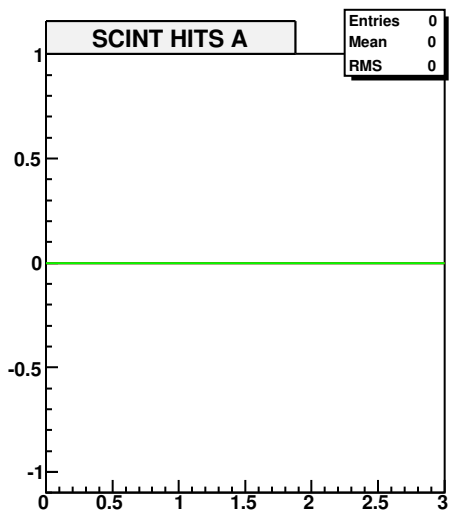


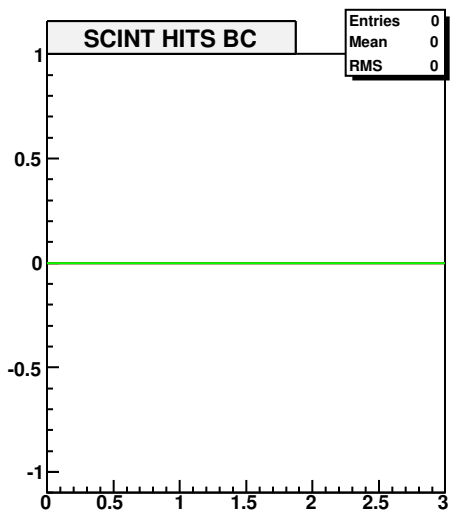




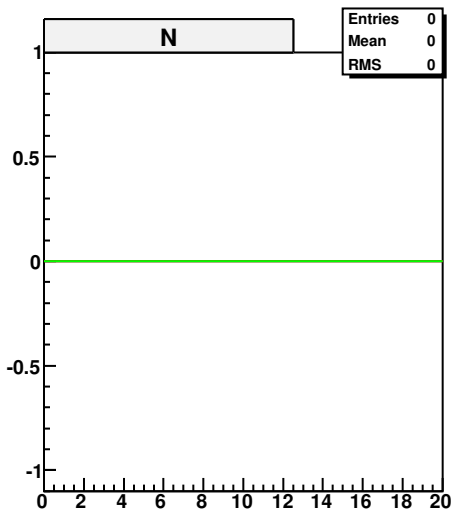


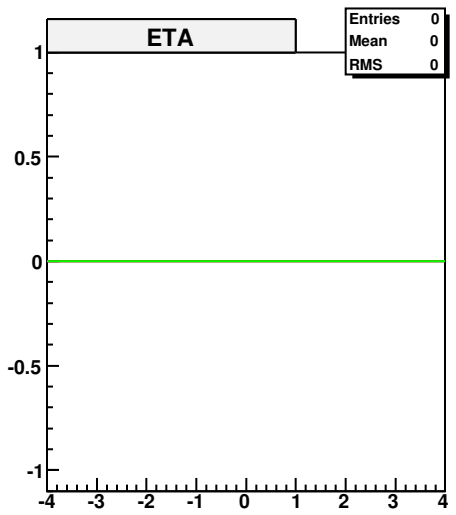


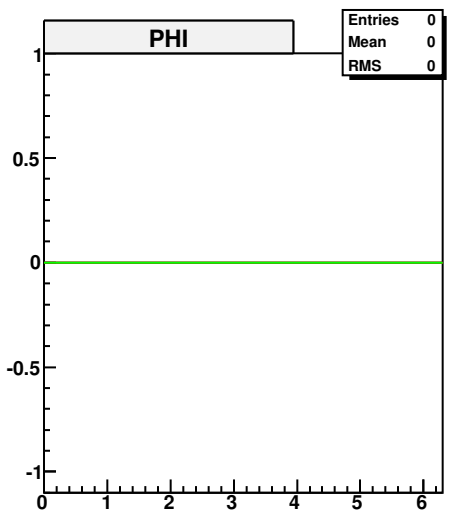


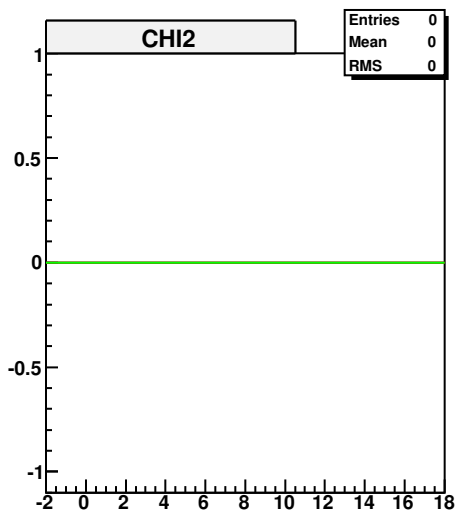


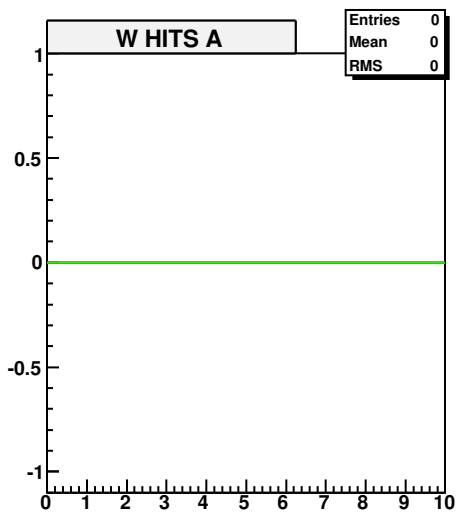
Muon Local Tracks (All)

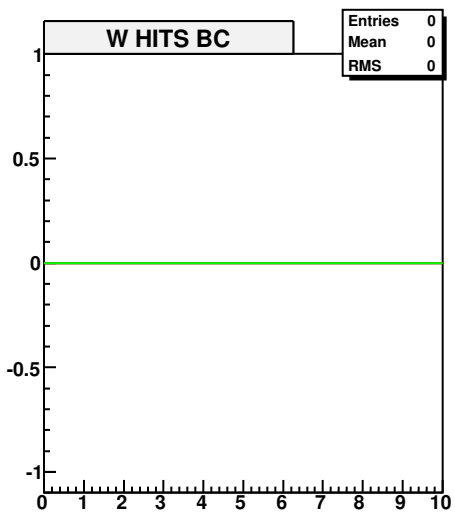


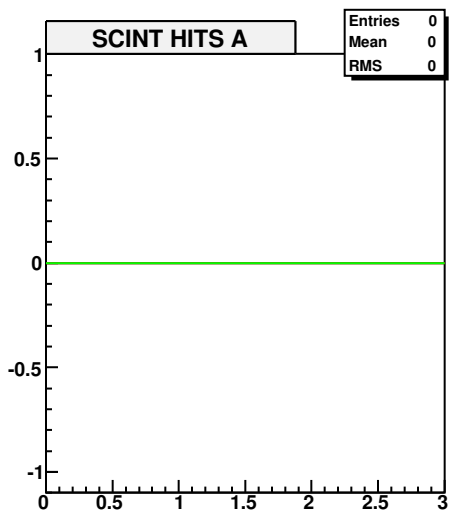


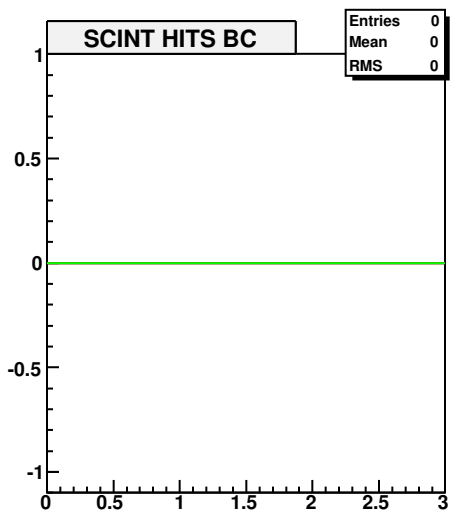




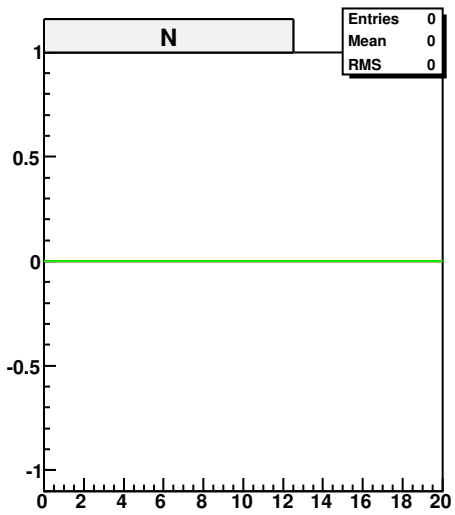


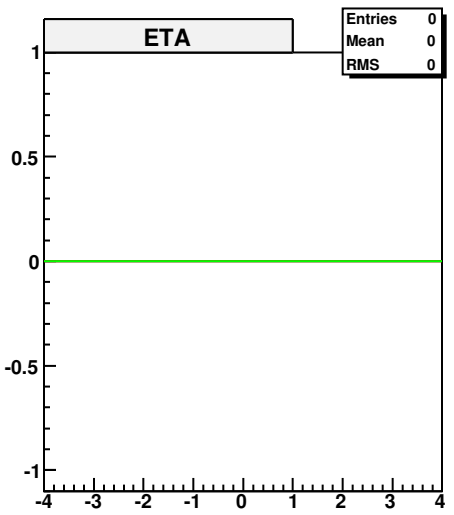


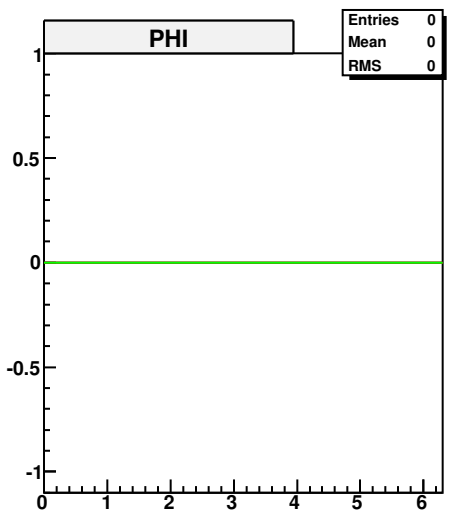


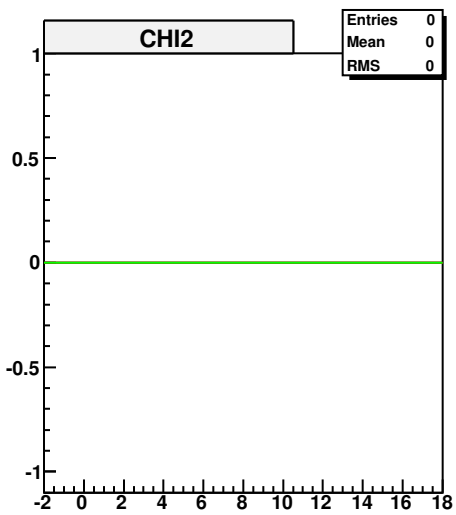


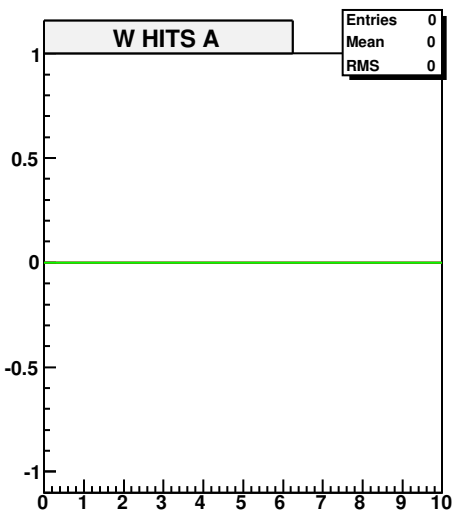
Muon Local Tracks (MediumWamus)

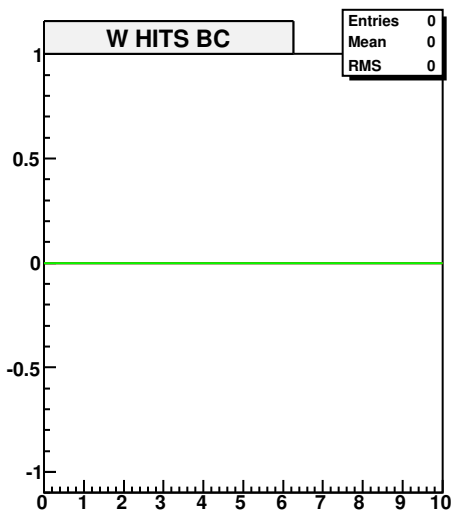


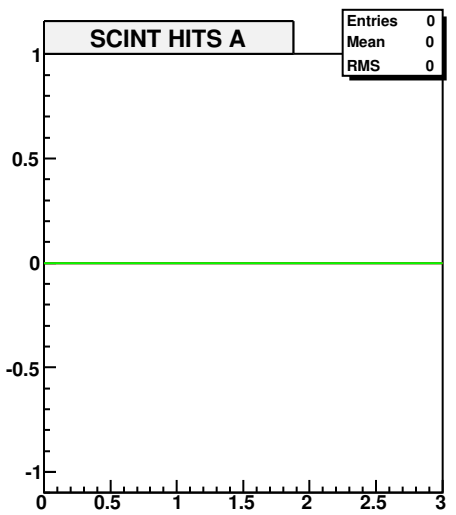


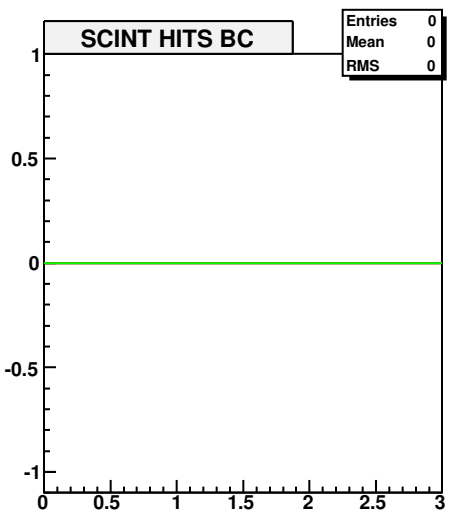




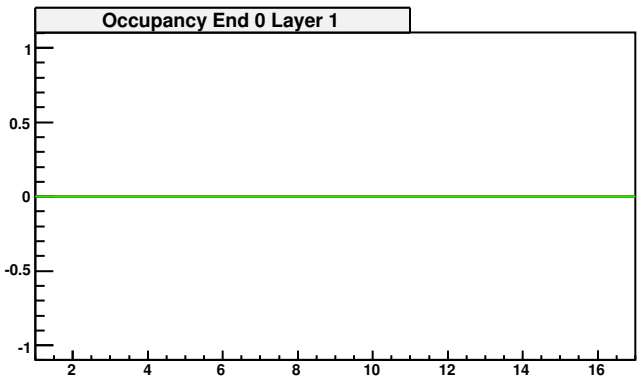


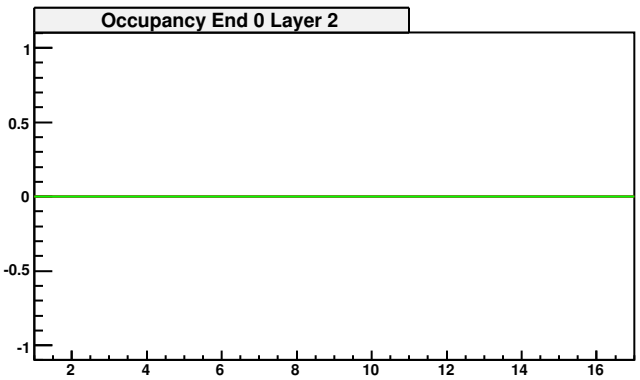


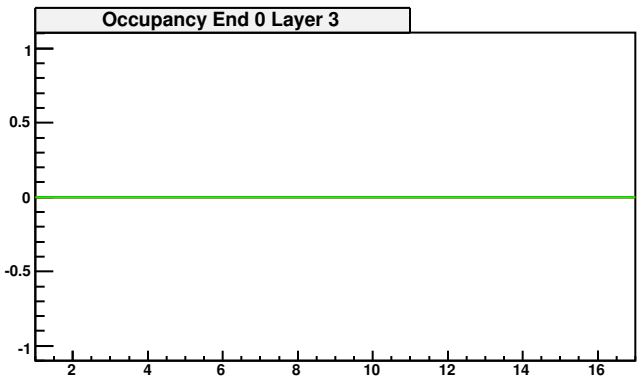


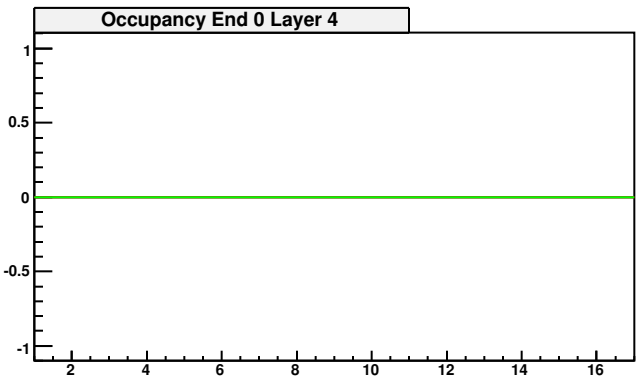


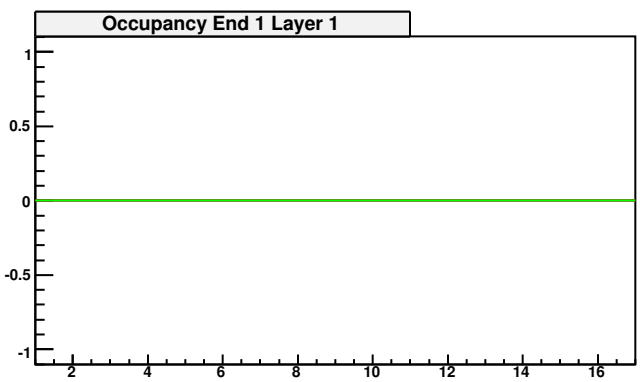
Muon Local Tracks (MediumFamus)

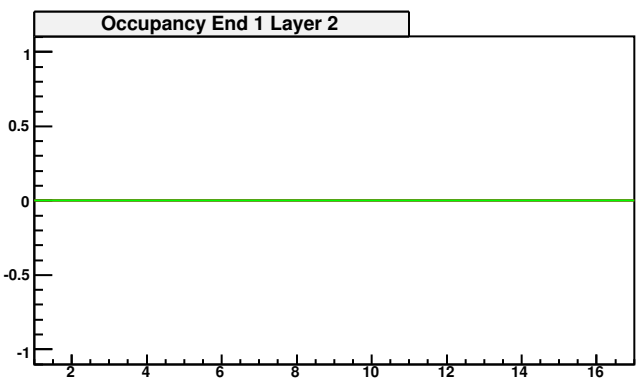


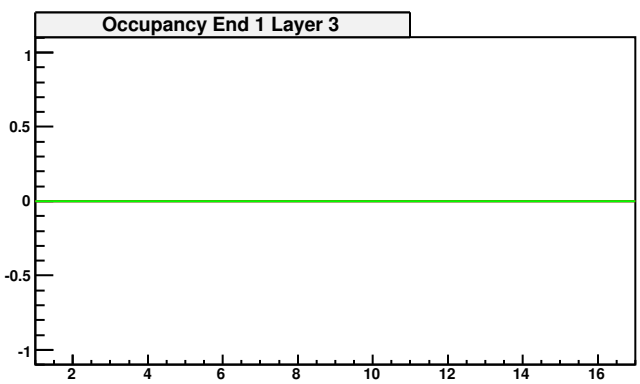


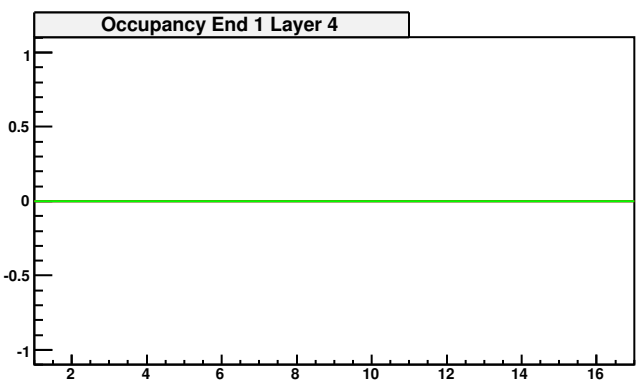




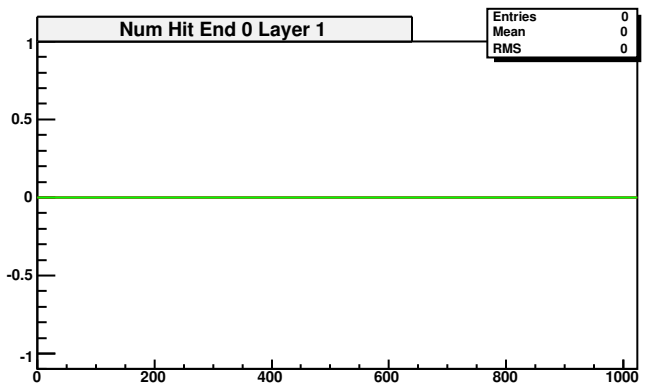


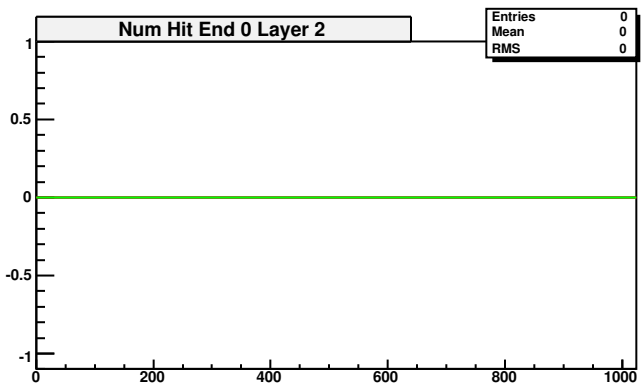


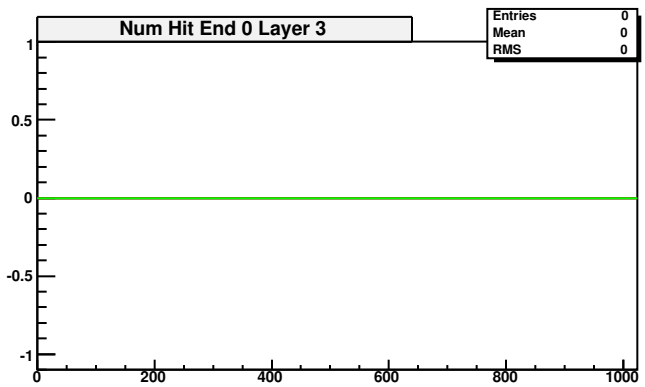


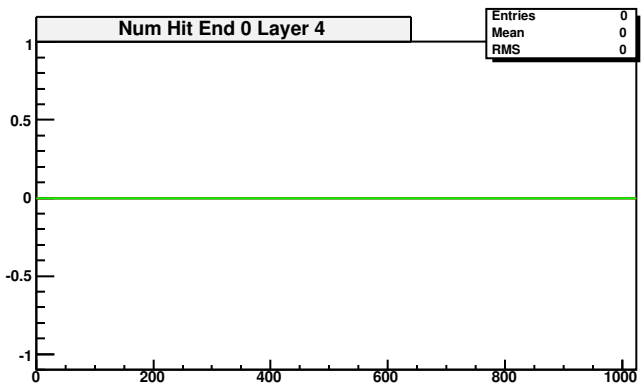


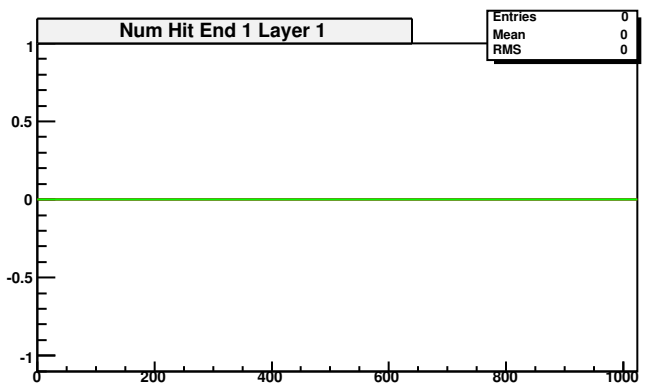
FPS Hit Occupancy (All)

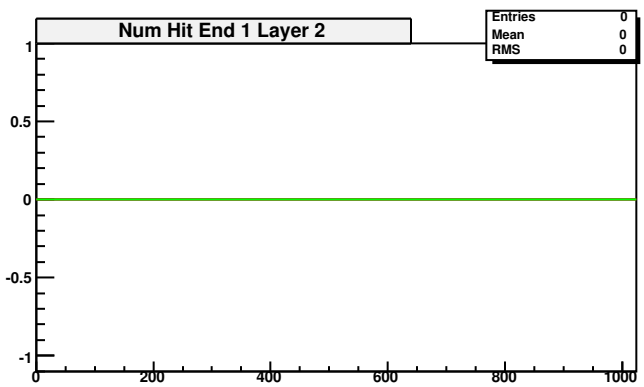


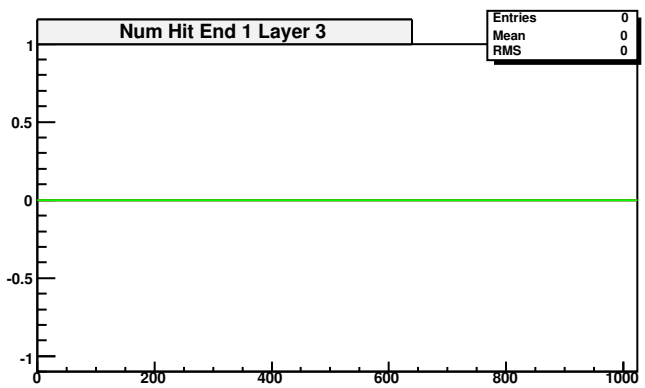


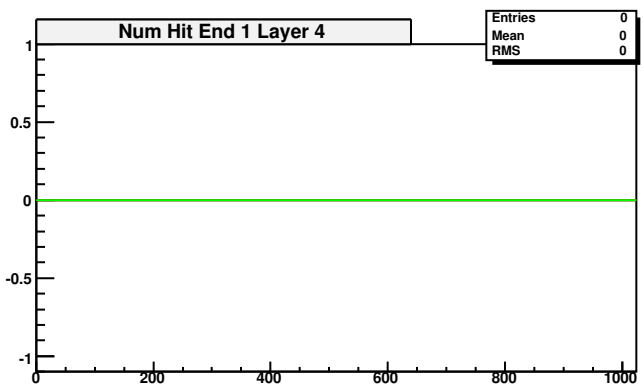




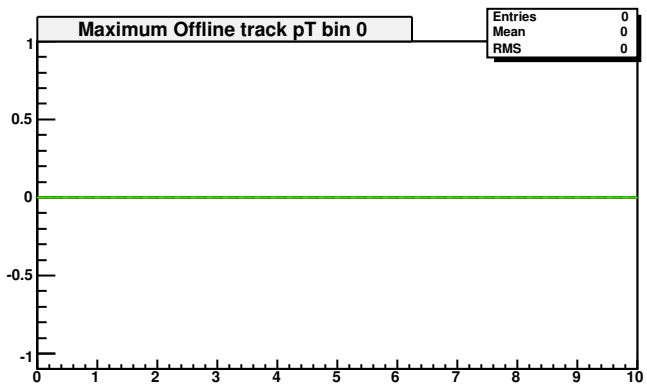


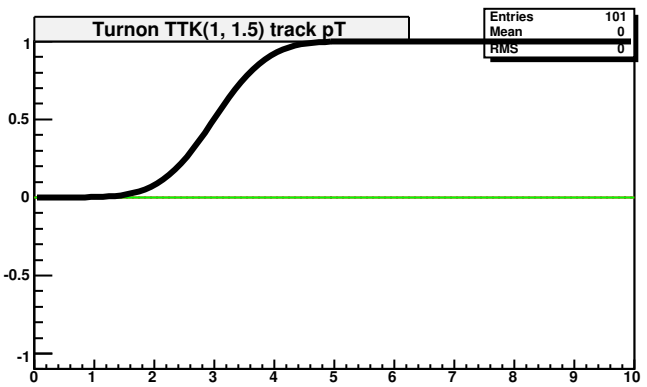


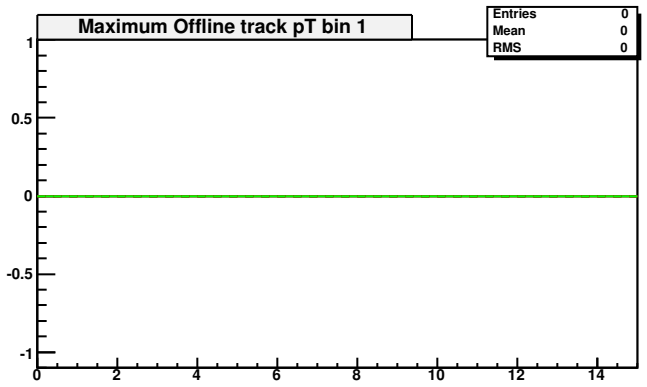


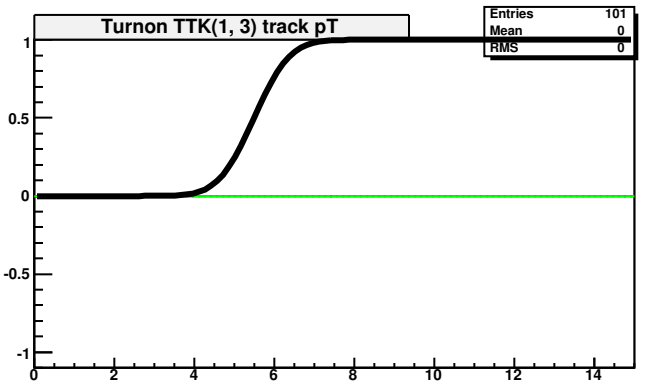


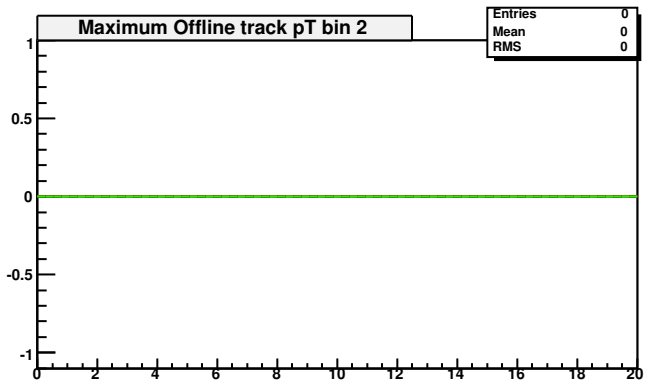
FPS Number of Hits (All)

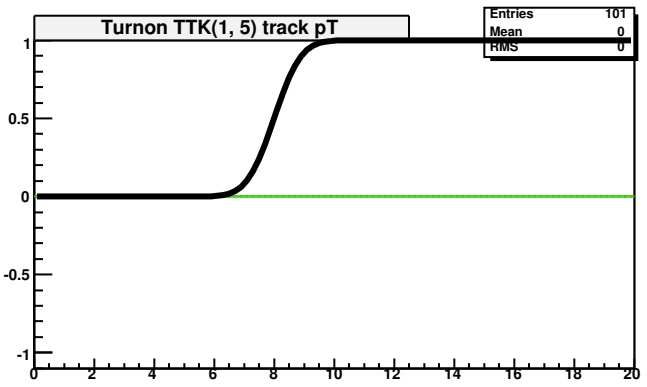


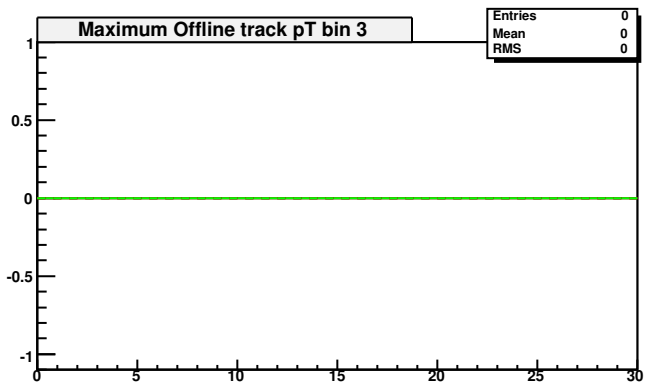


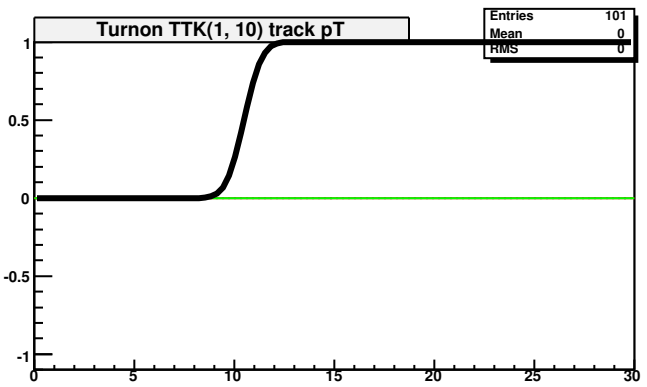




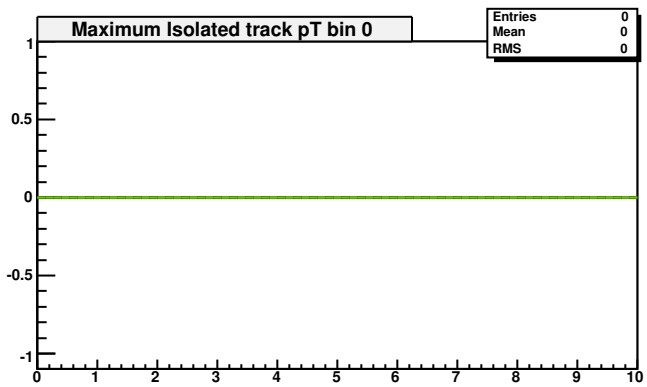


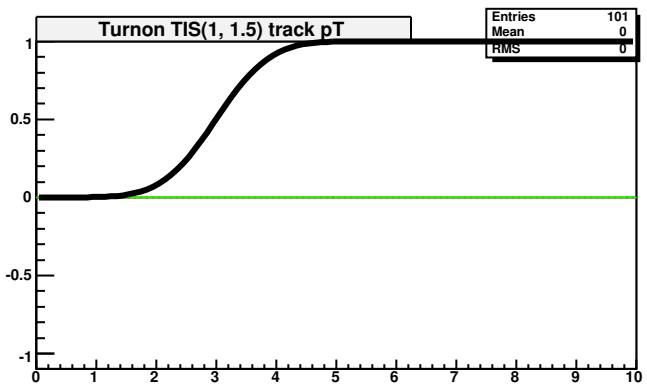


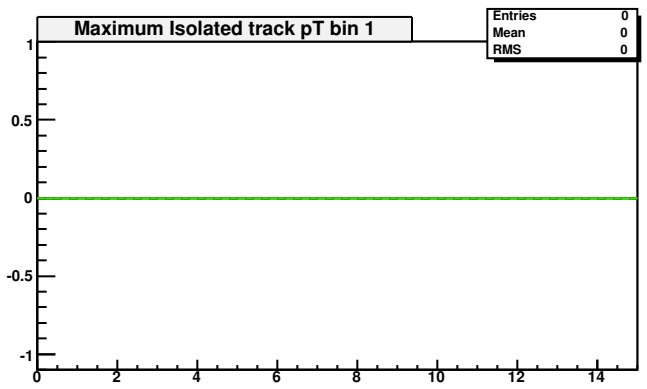


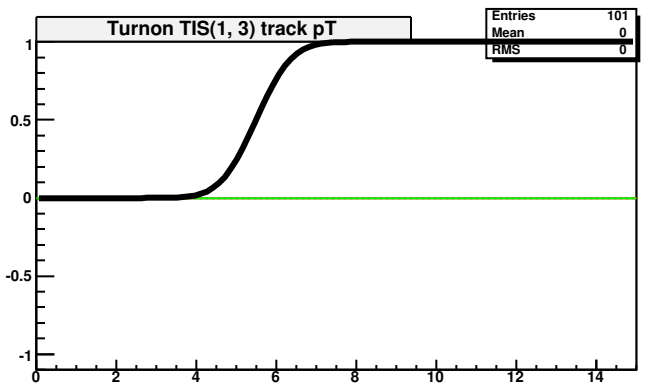


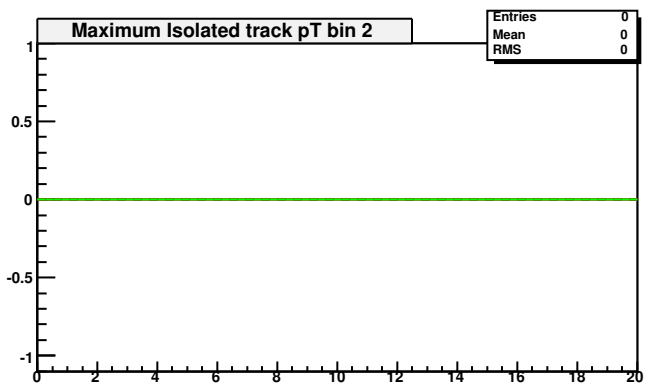
TTK Turnon curves (L1CTT All)

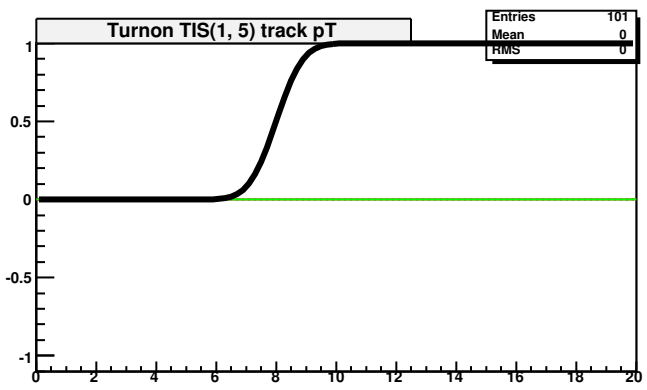


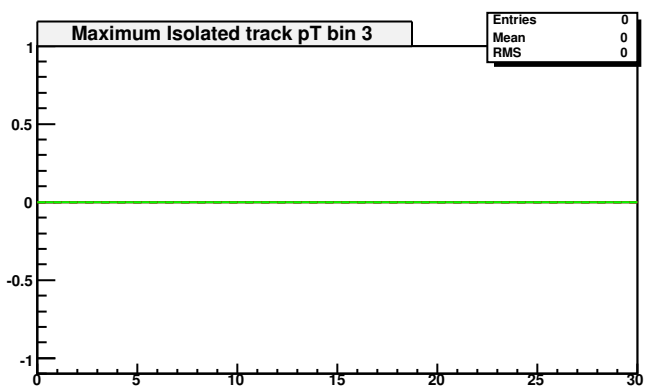


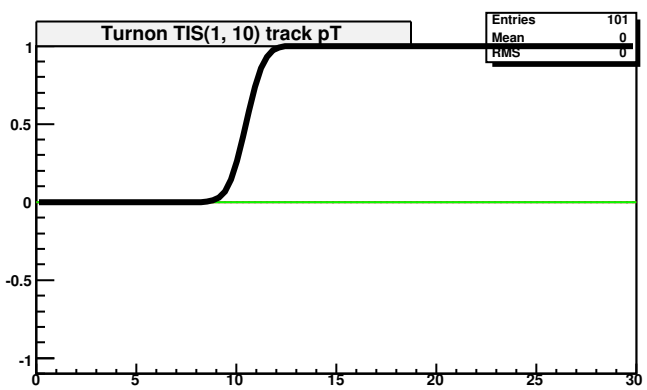




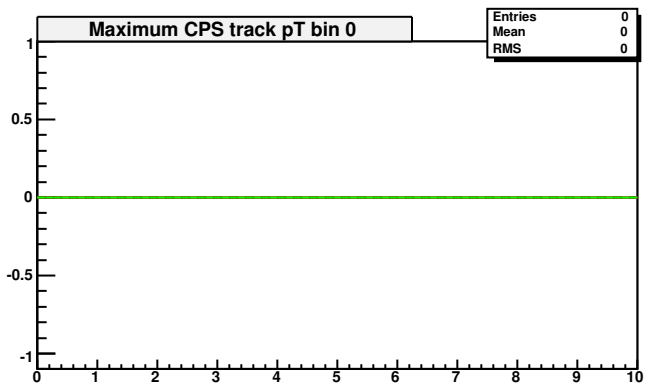


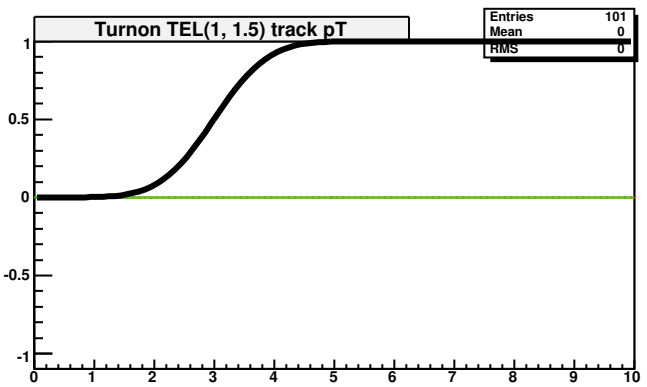


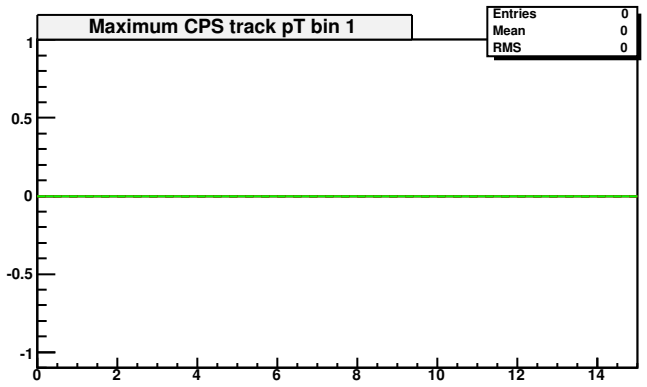


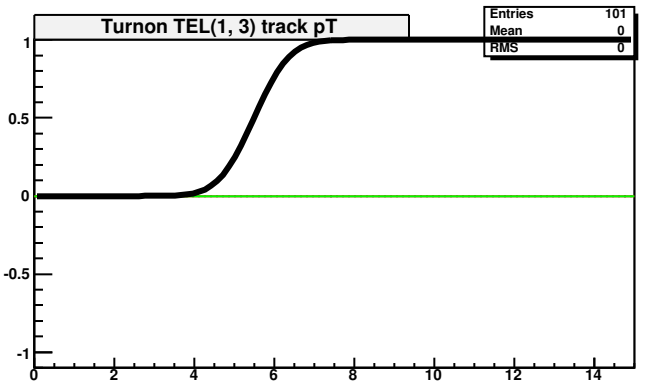


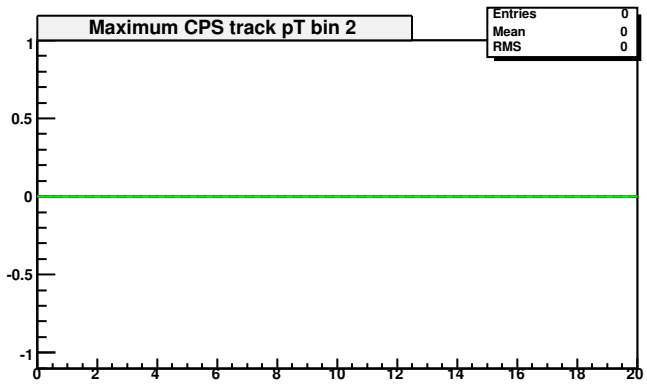
TIS Turnon curves (L1CTT All)

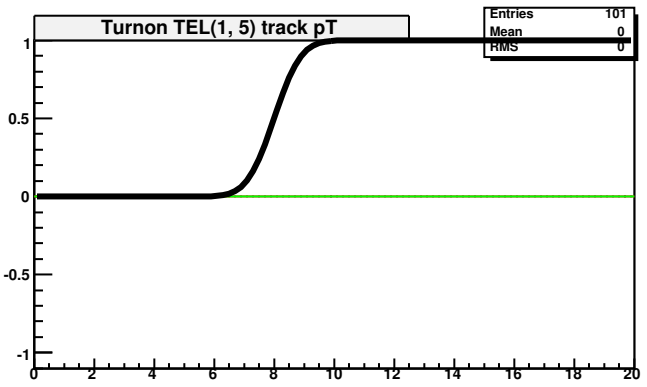


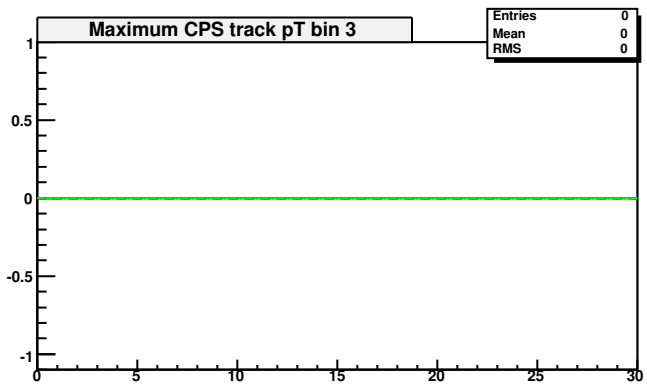


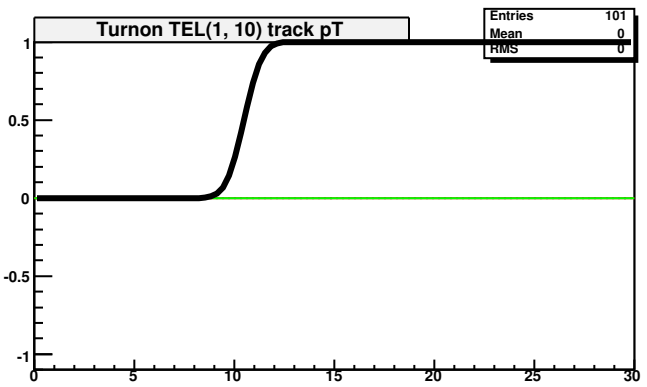




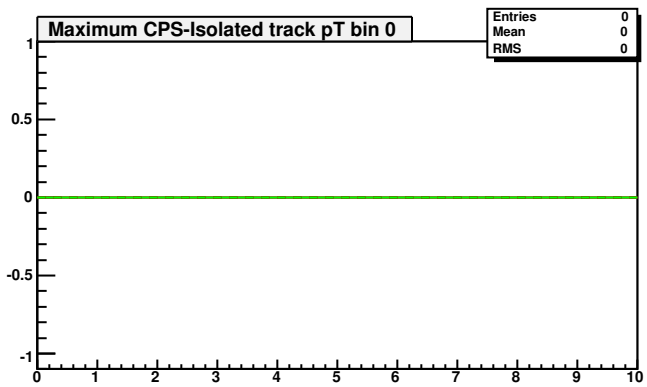


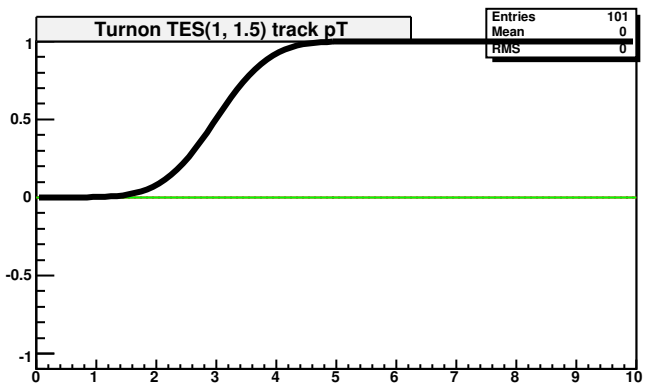


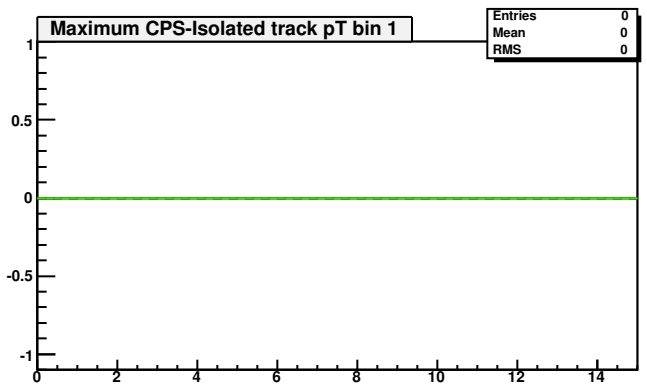


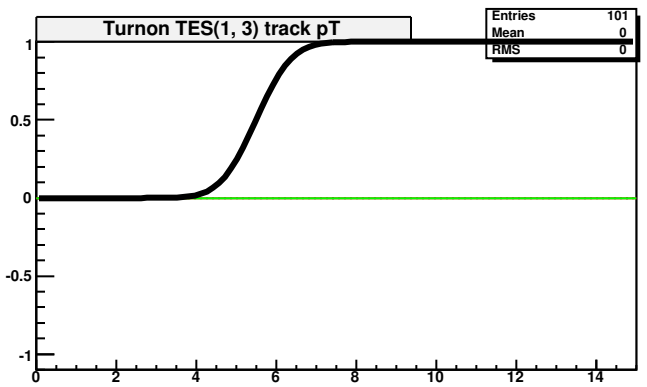


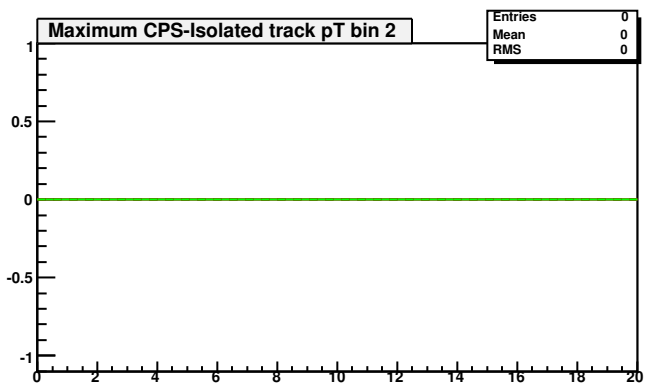
TEL Turnon curves (L1CTT All)

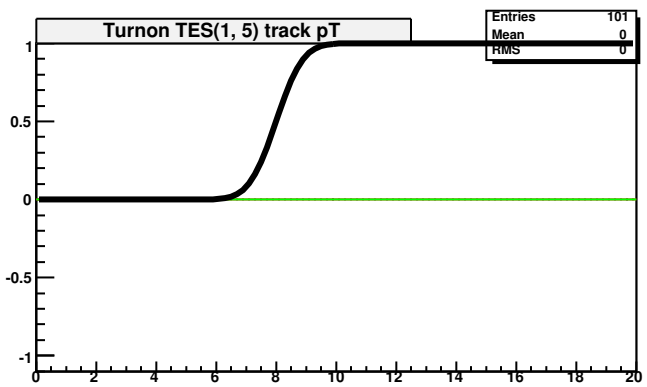


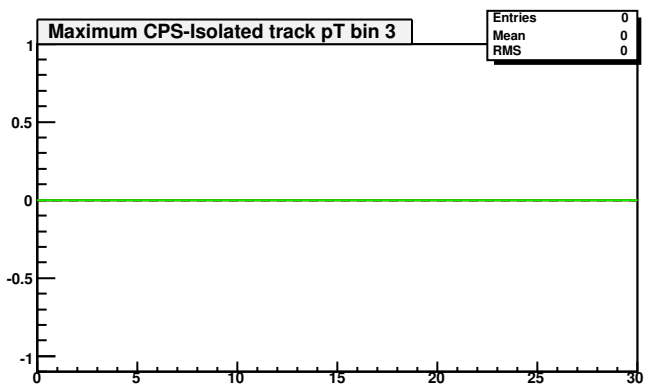


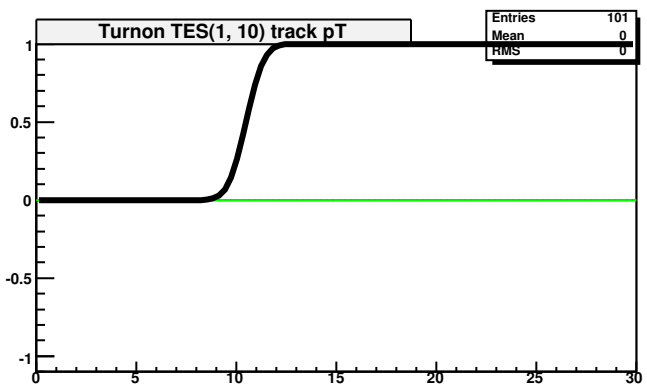












TES Turnon curves (L1CTT All)

RECO Performance (Timing)